

Human SDR enzymes

version 1, 19.12.2008

SDR member	DB	Uniprot AC	Uniprot ID	Uniprot description	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Ensembl description	Kingdom	Seq In	Pfam	SAM
SDR1E1-1	sp	Q14376	GALE_HUMAN	UDP-glucose 4-epimerase	ENSG00000117308	ENSP00000313026	ENST00000313298	UDP-glucose 4-epimerase	Mammalia	348	PF01370	E
SDR1E1-2	tr	Q38G75	Q38G75_HUMAN	UDP galactose 4'-epimerase (cDNA, FLJ95174, highly similar to Homo sapiens galactose-4-epimerase, UDP- (GALE), mRNA)	ENSG00000117308				Mammalia	348	PF01370	E
SDR1E1-3	tr	B3KQ39	B3KQ39_HUMAN	cDNA FLJ32740 fis, clone TESTI2001339, highly similar to UDP-GLUCOSE 4-EPIMERASE					Mammalia	274		
SDR1E1-4	tr	Q5QPP4	Q5QPP4_HUMAN	UDP-galactose-4-epimerase	ENSG00000117308				Mammalia	239	PF01370	
SDR1E1-5	tr	Q5QPP3	Q5QPP3_HUMAN	UDP-galactose-4-epimerase	ENSG00000117308				Mammalia	227	PF01370	
SDR1E1-6	tr	Q5QPP2	Q5QPP2_HUMAN	UDP-galactose-4-epimerase	ENSG00000117308				Mammalia	195	PF01370	
SDR1E1-7	tr	Q5QPP1	Q5QPP1_HUMAN	UDP-galactose-4-epimerase	ENSG00000117308				Mammalia	194	PF01370	
SDR1E1-8	tr	Q5QPP9	Q5QPP9_HUMAN	UDP-galactose-4-epimerase	ENSG00000117308				Mammalia	108	PF01370	
SDR1E1-9					ENSG00000117308	ENSP00000363621	ENST00000374497	UDP-glucose 4-epimerase	Mammalia	348		E
SDR1E1-10					ENSG00000117308	ENSP00000363622	ENST00000374498	UDP-glucose 4-epimerase	Mammalia	258		
SDR2E1-1	sp	O95455	TGDS_HUMAN	dTDP-D-glucose 4,6-dehydratase	ENSG00000088451	ENSP00000261296	ENST00000261296	dTDP-D-glucose 4,6-dehydratase	Mammalia	350	PF01370	E
SDR2E1-2	tr	Q2TU31	Q2TU31_HUMAN	Growth-inhibiting protein 21 (TDP-glucose 4,6-dehydratase, isoform CRA_a) (cDNA, FLJ93757, Homo sapiens TDP-glucose 4,6-dehydratase (TGDS), mRNA)	ENSG00000088451				Mammalia	350	PF01370	E
SDR2E1-3	tr	Q05DQ3	Q05DQ3_HUMAN	TGDS protein	ENSG00000088451				Mammalia	316	PF01370	E
SDR3E1-1	sp	O60547	GMDS_HUMAN	GDP-mannose 4,6 dehydratase	ENSG00000112699	ENSP00000370194	ENST00000380815	GDP-mannose 4,6 dehydratase	Mammalia	372	PF01370	E
SDR3E1-2	tr	B2R9X3	B2R9X3_HUMAN	cDNA, FLJ94599, highly similar to Homo sapiens GDP-mannose 4,6-dehydratase (GMDS), mRNA					Mammalia	372		E
SDR3E1-3					ENSG00000112699	ENSP00000370183	ENST00000380805	GDP-mannose 4,6 dehydratase	Mammalia	114		
SDR4E1-1	sp	Q13630	FCL_HUMAN	GDP-L-fucose sXthetase	ENSG00000104522	ENSP00000353243	ENST00000360125	GDP-L-fucose sXthetase	Mammalia	321	PF01370	E
SDR4E1-2	tr	B2R8Y7	B2R8Y7_HUMAN	cDNA, FLJ94122, Homo sapiens tissue specific transplantation antigen P35B (TSTA3),mRNA (Tissue specific transplantation antigen P35B, isoform CRA_b)					Mammalia	321		E
SDR5C1-1	sp	Q99714	HCD2_HUMAN	3-hydroxyacyl-CoA dehydrogenase type-2	ENSG00000072506	ENSP00000168216	ENST00000168216	3-hydroxyacyl-CoA dehydrogenase type-2	Mammalia	261	PF00106	C
SDR5C1-2	tr	Q6IBS9	Q6IBS9_HUMAN	HADH2 protein (Hydroxyacyl-Coenzyme A dehydrogenase, type II, isoform CRA_a) (Hydroxysteroid (17-beta) dehydrogenase 10)	ENSG00000072506				Mammalia	261	PF00106	C
SDR5C1-3	tr	Q5H927	Q5H927_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 10 (Hydroxyacyl-Coenzyme A dehydrogenase, type II, isoform CRA_b)	ENSG00000072506	ENSP00000364453	ENST00000375304	3-hydroxyacyl-CoA dehydrogenase type-2	Mammalia	252	PF00106	C
SDR5C1-4	tr	Q5H928	Q5H928_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 10	ENSG00000072506	ENSP00000364447	ENST00000375298	3-hydroxyacyl-CoA dehydrogenase type-2	Mammalia	169	PF00106	
SDR6E1-1	sp	Q8NBZ7	UXSI_HUMAN	UDP-glucuronic acid decarboxylase I	ENSG00000115652	ENSP00000283148	ENST00000283148	UDP-glucuronic acid decarboxylase I	Mammalia	420	PF01370	E

Human SDR enzymes

version 1, 19.12.2008

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SDR6E1-2	tr	A8K3Q3	A8K3Q3_HUMAN	cDNA FLJ78230					Mammalia	425	PF01370	E
SDR6E1-3	tr	B3KV61	B3KV61_HUMAN	cDNA FLJ16164 fis, clone DRCANZ027130, highly similar to UDP-glucuronic acid decarboxylase 1 (UDP-glucuronate decarboxylase 1, isoform CRA_c)					Mammalia	363		E
SDR6E1-4					ENSG00000115652	ENSP00000387019	ENST00000409501	UDP-glucuronic acid decarboxylase 1	Mammalia	425		
SDR6E1-5					ENSG00000115652	ENSP00000387096	ENST00000409032	UDP-glucuronic acid decarboxylase 1	Mammalia	252		
SDR7C1-1	sp	Q8TC12	RDH11_HUMAN	Retinol dehydrogenase 11	ENSG00000072042	ENSP00000370750	ENST00000381346	Retinol dehydrogenase 11	Mammalia	318	PF00106	C
SDR7C1-2	tr	B2RB26	B2RB26_HUMAN	cDNA, FLJ95268, highly similar to Homo sapiens retinol dehydrogenase 11 (all-trans and 9-cis) (RDH11), mRNA (cDNA FLJ90268 fis, clone NT2RM4001768, highly similar to Retinol dehydrogenase 11)					Mammalia	318		C
SDR7C1-3	tr	A8K062	A8K062_HUMAN	cDNA FLJ76200, highly similar to Homo sapiens retinol dehydrogenase 11 (all-trans and 9-cis), mRNA (Retinol dehydrogenase 11 (All-trans and 9-cis), isoform CRA_c)					Mammalia	305	PF00106	C
SDR7C1-4	tr	Q0QD40	Q0QD40_HUMAN	Retinol dehydrogenase 11	ENSG00000072042				Mammalia	171	PF00106	
SDR7C2-1	sp	Q96NR8	RDH12_HUMAN	Retinol dehydrogenase 12	ENSG00000139988	ENSP00000267502	ENST00000267502	Retinol dehydrogenase 12	Mammalia	316	PF00106	C
SDR7C2-2	tr	B2RDA2	B2RDA2_HUMAN	cDNA, FLJ96521, highly similar to Homo sapiens retinol dehydrogenase 12 (all-trans and 9-cis) (RDH12), mRNA (Retinol dehydrogenase 12) (All-trans and 9-cis)					Mammalia	316		C
SDR7C3-1	sp	Q8NBN7	RDH13_HUMAN	Retinol dehydrogenase 13	ENSG00000160439	ENSP00000291892	ENST00000291892	Retinol dehydrogenase 13	Mammalia	331	PF00106	C
SDR7C3-2	tr	B2RDH1	B2RDH1_HUMAN	cDNA, FLJ96605, highly similar to Homo sapiens retinol dehydrogenase 13 (all-trans and 9-cis) (RDH13), mRNA					Mammalia	260		
SDR7C3-3	tr	A8K6B4	A8K6B4_HUMAN	cDNA FLJ77723					Mammalia	220	PF00106	
SDR7C3-4	tr	B3KVA3	B3KVA3_HUMAN	cDNA FLJ16300 fis, clone PLACE7000167, highly similar to Retinol dehydrogenase 13					Mammalia	220		
SDR7C3-5					ENSG00000160439	ENSP00000379547	ENST00000396247	Retinol dehydrogenase 13	Mammalia	260		
SDR7C4-1	sp	Q9HBH5	RDH14_HUMAN	Retinol dehydrogenase 14	ENSG00000185013	ENSP00000370648	ENST00000381249	Cytosolic 5'-nucleotidase 1B	Mammalia	336	PF00106	C
SDR7C4-2	tr	Q53RX3	Q53RX3_HUMAN	Putative uncharacterized protein RDH14 (Retinol dehydrogenase 14 (All-trans and 9-cis), isoform CRA_a) (cDNA, FLJ95921, Homo sapiens retinol dehydrogenase 14 (all-trans and 9-cis)(RDH14), mRNA)	ENSG00000185013				Mammalia	336	PF00106	C
SDR7C4-3					ENSG00000185013	ENSP00000352904	ENST00000359846	Cytosolic 5'-nucleotidase 1B	Mammalia	610		
SDR7C4-4					ENSG00000185013	ENSP00000384831	ENST00000403770	Cytosolic 5'-nucleotidase 1B	Mammalia	602		
SDR7C4-5					ENSG00000185013	ENSP00000305979	ENST00000304081	Cytosolic 5'-nucleotidase 1B	Mammalia	550		

Human SDR enzymes

version 1, 19.12.2008

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SDR7C4-6					ENSG00000185013	ENSP00000383905	ENST00000406971	Cytosolic 5'-nucleotidase 1B	Mammalia	522		
SDR7C5-1	sp	Q6UX07	DHR13_HUMAN	Dehydrogenase/reductase SDR family member 13	ENSG00000167536	ENSP00000368173	ENST00000378895	Dehydrogenase/reductase SDR family member 13	Mammalia	377	PF00106	C
SDR7C5-2					ENSG00000167536	ENSP00000378361	ENST00000394901	Dehydrogenase/reductase SDR family member 13	Mammalia	327		
SDR8C1-1	sp	P51659	DHB4_HUMAN	Peroxisomal multifunctional enzyme type 2	ENSG00000133835	ENSP00000256216	ENST00000256216	Peroxisomal multifunctional enzyme type 2	Mammalia	736	PF00106	C
SDR8C1-2	tr	B4DNV1	B4DNV1_HUMAN	cDNA FLJ55431, highly similar to Peroxisomal multifunctional enzyme type 2					Mammalia	761		
SDR8C1-3	tr	B2R659	B2R659_HUMAN	cDNA, FLJ92803, highly similar to Homo sapiens hydroxysteroid (17-beta) dehydrogenase 4 (HSD17B4), mRNA					Mammalia	736		C
SDR8C1-4	tr	B4DVS5	B4DVS5_HUMAN	cDNA FLJ59445, highly similar to Peroxisomal multifunctional enzyme type 2					Mammalia	718		C
SDR8C1-5	tr	B4DDM5	B4DDM5_HUMAN	cDNA FLJ53298, highly similar to Peroxisomal multifunctional enzyme type 2					Mammalia	717		C
SDR8C1-6	tr	B4DSD0	B4DSD0_HUMAN	cDNA FLJ59409, highly similar to Peroxisomal multifunctional enzyme type 2					Mammalia	712		
SDR9C1-1	sp	Q02338	BDH_HUMAN	D-beta-hydroxybutyrate dehydrogenase, mitochondrial	ENSG00000161267	ENSP00000376183	ENST00000392378	D-beta-hydroxybutyrate dehydrogenase, mitochondrial	Mammalia	343	PF00106	C
SDR9C1-2					ENSG00000161267	ENSP00000376184	ENST00000392379	D-beta-hydroxybutyrate dehydrogenase, mitochondrial	Mammalia	343		C
SDR9C1-3					ENSG00000161267	ENSP00000350914	ENST00000358186	D-beta-hydroxybutyrate dehydrogenase, mitochondrial	Mammalia	343		C
SDR9C2-1	sp	P37059	DHB2_HUMAN	Estradiol 17-beta-dehydrogenase 2	ENSG00000086696	ENSP00000199936	ENST00000199936	Estradiol 17-beta-dehydrogenase 2	Mammalia	387	PF00106	C
SDR9C2-2	tr	Q53GD0	Q53GD0_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 2 variant	ENSG00000086696				Mammalia	387	PF00106	C
SDR9C2-3	tr	B2R7T4	B2R7T4_HUMAN	cDNA, FLJ93594, Homo sapiens hydroxysteroid (17-beta) dehydrogenase 2 (HSD17B2),mRNA (Hydroxysteroid (17-beta) dehydrogenase 2)					Mammalia	387		C
SDR9C3-1	sp	P80365	DHI2_HUMAN	Corticosteroid 11-beta-dehydrogenase isozyme 2	ENSG00000176387	ENSP00000316786	ENST00000326152	Corticosteroid 11-beta-dehydrogenase isozyme 2	Mammalia	405	PF00106	C
SDR9C3-2	tr	Q6P2G9	Q6P2G9_HUMAN	Hydroxysteroid (11-beta) dehydrogenase 2	ENSG00000176387				Mammalia	405	PF00106	C
SDR9C3-3	tr	A7LB28	A7LB28_HUMAN	Hydroxysteroid (11-beta) dehydrogenase 2					Mammalia	405	PF00106	C
SDR9C4-1	sp	Q9BPW9	DHRS9_HUMAN	Dehydrogenase/reductase SDR family member 9	ENSG00000073737	ENSP00000316670	ENST00000327239	Dehydrogenase/reductase SDR family member 9	Mammalia	319	PF00106	C
SDR9C4-5					ENSG00000073737	ENSP00000350154	ENST00000357546	Dehydrogenase/reductase SDR family member 9	Mammalia	319		C
SDR9C4-2	tr	Q9Y2P9	Q9Y2P9_HUMAN	Retinol dehydrogenase homolog	ENSG00000073737				Mammalia	323	PF00106	C

Human SDR enzymes

version 1, 19.12.2008

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SDR9C4-3	tr	B2R835	B2R835_HUMAN	cDNA, FLJ93721, highly similar to Homo sapiens NADP-dependent retinol dehydrogenase/reductase (RDHL), transcript variant C, mRNA					Mammalia	319		C
SDR9C4-4	tr	Q53TL1	Q53TL1_HUMAN	Putative uncharacterized protein RDHL	ENSG00000073737				Mammalia	245	PF00106	C
SDR9C5-1	sp	Q92781	RDH1_HUMAN	11-cis retinol dehydrogenase	ENSG00000135437	ENSP00000257895	ENST00000257895	11-cis retinol dehydrogenase	Mammalia	318	PF00106	C
SDR9C5-2	tr	O00179	O00179_HUMAN	9-cis-retinol specific dehydrogenase	ENSG00000135437				Mammalia	318	PF00106	C
SDR9C6-1	sp	O14756	H17B6_HUMAN	Hydroxysteroid 17-beta dehydrogenase 6	ENSG00000025423	ENSP00000318631	ENST00000322165	Hydroxysteroid 17-beta dehydrogenase 6 Precursor	Mammalia	317	PF00106	C
SDR9C6-2	tr	B2R8L8	B2R8L8_HUMAN	cDNA, FLJ93962, highly similar to Homo sapiens hydroxysteroid (17-beta) dehydrogenase 6 (HSD17B6), mRNA					Mammalia	317		C
SDR9C6-3					ENSG00000025423	ENSP00000262028	ENST00000262028	Hydroxysteroid 17-beta dehydrogenase 6 Precursor	Mammalia	315		C
SDR9C7-1	sp	Q8NEX9	SDRO_HUMAN	Orphan short-chain dehydrogenase/reductase	ENSG00000170426	ENSP00000293502	ENST00000293502	Orphan short-chain dehydrogenase/reductase	Mammalia	313	PF00106	C
SDR9C7-2	tr	B3KVB4	B3KVB4_HUMAN	cDNA FLJ16333 fis, clone TESOP2002150, highly similar to Homo sapiens orphan short-chain dehydrogenase/reductase (SDR-O), mRNA					Mammalia	313		C
SDR9C8-1	sp	O75452	RDH16_HUMAN	Retinol dehydrogenase 16	ENSG00000139547	ENSP00000381206	ENST00000398138	Retinol dehydrogenase 16	Mammalia	317	PF00106	C
SDR9C8-2					ENSG00000139547	ENSP00000353980	ENST00000360752	Retinol dehydrogenase 16	Mammalia	193		
SDR10E1-1	sp	Q8WVX9	FACR1_HUMAN	Fatty acyl-CoA reductase 1	ENSG00000197601	ENSP00000346874	ENST00000354817	Fatty acyl-CoA reductase 1	Mammalia	515		E
SDR10E1-2	tr	B2RDG1	B2RDG1_HUMAN	cDNA, FLJ96593					Mammalia	515		E
SDR10E1-3	tr	Q9H600	Q9H600_HUMAN	CDNA: FLJ22728 fis, clone HSI15617.	ENSG00000197601				Mammalia	342		E
SDR10E1-4					ENSG00000197601	ENSP00000347226	ENST00000355107	Fatty acyl-CoA reductase 1	Mammalia	342		E
SDR10E2-1	sp	Q96K12	FACR2_HUMAN	Fatty acyl-CoA reductase 2	ENSG00000064763	ENSP00000182377	ENST00000182377	Fatty acyl-CoA reductase 2	Mammalia	515		E
SDR10E2-2	tr	Q9NUX8	Q9NUX8_HUMAN	cDNA FLJ11065 fis, clone PLACE1004868, weakly similar to MALE STERILITY PROTEIN 2	ENSG00000064763				Mammalia	515		E
SDR10E2-3	tr	B2RBI0	B2RBI0_HUMAN	cDNA, FLJ95518					Mammalia	515		E
SDR11E1-1	sp	P14060	3BHS1_HUMAN	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1	ENSG00000203857	ENSP00000358421	ENST00000369413	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1	Mammalia	373	PF01073	E
SDR11E1-2	tr	Q5TDG2	Q5TDG2_HUMAN	Hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1	ENSG00000203857	ENSP00000235547	ENST00000235547	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1	Mammalia	375	PF01073	E
SDR11E1-3	tr	A8K691	A8K691_HUMAN	cDNA FLJ75712, highly similar to Homo sapiens hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 (HSD3B1), mRNA	ENSG00000203857				Mammalia	373	PF01073	E
SDR11E1-4	tr	Q8TDP9	Q8TDP9_HUMAN	3-beta-hydroxysteroid dehydrogenase					Mammalia	256	PF01073	
SDR11E1-5	tr	Q9UD10	Q9UD10_HUMAN	3 beta-hydroxysteroid dehydrogenase	ENSG00000203857				Mammalia	54	PF01073	

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version 1, 19.12.2008

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SDRI IE2-1	sp	P26439	3BHS2_HUMAN	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2	ENSG00000203859	ENSP00000358424	ENST00000369416	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2	Mammalia	372	PF01073	E
SDRI IE2-2	tr	A2RRA5	A2RRA5_HUMAN	HSD3B2 protein (Hydroxy-delta-5-steroid dehydrogenase, 3 beta-and steroid delta-isomerase 2, isoform CRA_a)	ENSG00000203859				Mammalia	372	PF01073	E
SDRI IE2-3	tr	B2R8L0	B2R8L0_HUMAN	cDNA, FLJ93951, highly similar to Homo sapiens hydroxy-delta-5-steroid dehydrogenase, 3 beta-andsteroid delta-isomerase 2 (HSD3B2), mRNA	ENSG00000203859				Mammalia	372		E
SDRI IE2-4	tr	Q5QP01	Q5QP01_HUMAN	Hydroxy-delta-5-steroid dehydrogenase, 3 beta-and steroid delta-isomerase 2	ENSG00000203859				Mammalia	195	PF01073	
SDRI IE2-5	tr	Q9UD06	Q9UD06_HUMAN	3 beta-hydroxysteroid dehydrogenase	ENSG00000203859				Mammalia	119	PF01073	
SDRI IE3-1	sp	Q9H2F3	3BHS7_HUMAN	3 beta-hydroxysteroid dehydrogenase type 7	ENSG00000099377	ENSP00000297679	ENST00000297679	3 beta-hydroxysteroid dehydrogenase type 7	Mammalia	369	PF01073	E
SDRI IE3-2	sp	Q9H2F3	3BHS7_HUMAN	3 beta-hydroxysteroid dehydrogenase type 7	ENSG00000099377	ENSP00000370662	ENST00000353250	3 beta-hydroxysteroid dehydrogenase type 7	Mammalia	369	PF01073	E
SDRI IE3-3	tr	Q96M28	Q96M28_HUMAN	cDNA FLJ32874 fis, clone TESTI2004000, highly similar to Rattus norvegicus cca2 mRNA (HCG1998636, isoform CRA_d) (cDNA FLJ78573) (cDNA FLJ78326)	ENSG00000099377	ENSP00000262520	ENST00000262520	3 beta-hydroxysteroid dehydrogenase type 7	Mammalia	196	PF01073	
SDRI IE4-1	tr	Q9UD07	Q9UD07_HUMAN	3 beta-hydroxysteroid dehydrogenase	ENSG00000198857				Mammalia	48	PF01073	
SDRI IE4-2					ENSG00000198857	ENSP00000384506	ENST00000361860	3 beta-hydroxysteroid dehydrogenase Fragment	Mammalia	48		
SDRI IE5P-1	tr	Q61955	Q61955_HUMAN	3<beta>-HSD <psi>I protein	ENSG00000187481				Mammalia	173	PF01073	
SDRI IE5P-2	tr	P78550	P78550_HUMAN	3 beta-hydroxysteroid dehydrogenase homolog protein	ENSG00000187481				Mammalia	54	PF01073	
SDRI IE5P-3	tr	Q99888	Q99888_HUMAN	3 beta-hydroxysteroid dehydrogenase homolog protein	ENSG00000187481				Mammalia	54	PF01073	
SDRI IE5P-4	tr	Q9UD09	Q9UD09_HUMAN	3 beta-hydroxysteroid dehydrogenase	ENSG00000187481				Mammalia	54	PF01073	
SDRI IE5P-5	tr	Q9UDI1	Q9UDI1_HUMAN	3 beta-hydroxysteroid dehydrogenase	ENSG00000187481				Mammalia	54	PF01073	
SDRI IE6P-1	sp	Q6A110	YA027_HUMAN	Putative 3-beta-HSD family protein DKFZp686G19280	ENSG00000203858				Mammalia	222	PF01370	
SDRI IE7P-1	tr	Q9UDK8	Q9UDK8_HUMAN	3 beta-hydroxysteroid dehydrogenase	ENSG00000203855				Mammalia	166	PF01073	
SDRI IE7P-2	tr	Q99889	Q99889_HUMAN	3 beta-hydroxysteroid dehydrogenase homolog protein	ENSG00000203855				Mammalia	53	PF01073	
SDRI2C1-1	sp	Q53GQ0	DHB12_HUMAN	Estradiol 17-beta-dehydrogenase 12	ENSG00000149084	ENSP00000278353	ENST00000278353	Estradiol 17-beta-dehydrogenase 12	Mammalia	312	PF00106	C
SDRI2C1-2	tr	A8K9B0	A8K9B0_HUMAN	Putative uncharacterized protein					Mammalia	312	PF00106	C

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SDR12C1-3	tr	B3KQJ0	B3KQJ0_HUMAN	cDNA FLJ90530 fis, clone NT2RP4002187, highly similar to Homo sapiens hydroxysteroid (17-beta) dehydrogenase 12 (HSD17B12), mRNA					Mammalia	312		C
SDR12C1-4	tr	B4DWS6	B4DWS6_HUMAN	cDNA FLJ61181, highly similar to Homo sapiens hydroxysteroid (17-beta) dehydrogenase 12 (HSD17B12), mRNA					Mammalia	304		C
SDR12C1-5	tr	Q96EA9	Q96EA9_HUMAN	HSD17B12 protein (Hydroxysteroid (17-beta) dehydrogenase 12, isoform CRA_g)	ENSG00000149084	ENSP00000379052	ENST00000395700	Estradiol 17-beta-dehydrogenase 12	Mammalia	98	PF00106	
SDR12C2-1	sp	P37058	DHB3_HUMAN	Testosterone 17-beta-dehydrogenase 3	ENSG00000130948	ENSP00000364412	ENST00000375263	Testosterone 17-beta-dehydrogenase 3	Mammalia	310	PF00106	C
SDR12C2-2	tr	Q6FH62	Q6FH62_HUMAN	HSD17B3 protein (Hydroxysteroid (17-beta) dehydrogenase 3)	ENSG00000130948				Mammalia	310	PF00106	C
SDR12C2-3	tr	Q5U0Q6	Q5U0Q6_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 3	ENSG00000130948	ENSP00000364411	ENST00000375262	Testosterone 17-beta-dehydrogenase 3	Mammalia	260	PF00106	C
SDR12C3-1	sp	Q3SXM5	HSDL1_HUMAN	Hydroxysteroid dehydrogenase-like protein 1	ENSG00000103160				Mammalia	330	PF00106	C
SDR12C3-2	tr	B4DSL2	B4DSL2_HUMAN	cDNA FLJ52861, moderately similar to Homo sapiens hydroxysteroid dehydrogenase like 1 (HSDL1), mRNA					Mammalia	275		
SDR12C3-3					ENSG00000103160	ENSP00000219439	ENST00000219439	Hydroxysteroid dehydrogenase-like protein 1	Mammalia	330		C
SDR13C1-1	sp	Q6X16	HSDL2_HUMAN	Hydroxysteroid dehydrogenase-like protein 2	ENSG00000119471	ENSP00000381785	ENST00000398805	Hydroxysteroid dehydrogenase-like protein 2	Mammalia	418	PF00106	C
SDR13C1-2	tr	B2R923	B2R923_HUMAN	cDNA, FLJ94174					Mammalia	345		
SDR13C1-5					ENSG00000119471	ENSP00000342883	ENST00000338786	Hydroxysteroid dehydrogenase-like protein 2	Mammalia	344		
SDR13C1-4					ENSG00000119471	ENSP00000381783	ENST00000398803	Hydroxysteroid dehydrogenase-like protein 2	Mammalia	345		
SDR13C1-3					ENSG00000119471	ENSP00000262542	ENST00000262542	Hydroxysteroid dehydrogenase-like protein 2	Mammalia	417		C
SDR14EIP-1	sp	Q8IZJ6	TDH_HUMAN	Inactive L-threonine 3-dehydrogenase, mitochondrial	ENSG00000154316				Mammalia	230	PF01370	
SDR14EIP-2	tr	Q96KTI	Q96KTI_HUMAN	L-threonine 3-dehydrogenase.	ENSG00000154316	ENSP00000317255	ENST00000326605	Inactive L-threonine 3-dehydrogenase, mitochondrial	Mammalia	249	PF01370	
SDR14EIP-3					ENSG00000154316	ENSP00000297308	ENST00000353180	Inactive L-threonine 3-dehydrogenase, mitochondrial	Mammalia	180		
SDR15C1-1	sp	Q9BUT1	BDH2_HUMAN	3-hydroxybutyrate dehydrogenase type 2	ENSG00000164039	ENSP00000296424	ENST00000296424	3-hydroxybutyrate dehydrogenase type 2	Mammalia	245	PF00106	C
SDR15C1-2	tr	A8K295	A8K295_HUMAN	cDNA FLJ76235, highly similar to Homo sapiens dehydrogenase/reductase (SDR family) member 6 (DHRS6), mRNA					Mammalia	245	PF00106	C
SDR15C1-3	tr	A8K5M0	A8K5M0_HUMAN	cDNA FLJ78346, highly similar to Homo sapiens 3-hydroxybutyrate dehydrogenase, type 2, mRNA					Mammalia	173	PF00106	
SDR16C1-1	sp	O75911	DHRS3_HUMAN	Short-chain dehydrogenase/reductase 3	ENSG00000162496	ENSP00000365397	ENST00000376223	Short-chain dehydrogenase/reductase 3	Mammalia	302	PF00106	C

Human SDR enzymes

version 1, 19.12.2008

SDR member	DB	Uniprot AC	Uniprot ID	Uniprot description	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Ensembl description	Kingdom	Seq In	Pfam	SAM
SDR16C1-2	tr	Q53HI7	Q53HI7_HUMAN	Dehydrogenase/reductase (SDR family) member 3 variant	ENSG00000162496				Mammalia	302	PF00106	C
SDR16C1-3	tr	Q5VUY3	Q5VUY3_HUMAN	Dehydrogenase/reductase (SDR family) member 3	ENSG00000162496				Mammalia	302	PF00106	C
SDR16C1-4	tr	B2R7F3	B2R7F3_HUMAN	cDNA, FLJ93419, Homo sapiens short-chain dehydrogenase/reductase I (SDR1), mRNA					Mammalia	302		C
SDR16C1-5	tr	Q5SUY4	Q5SUY4_HUMAN	Dehydrogenase/reductase (SDR family) member 3	ENSG00000162496				Mammalia	147	PF00106	
SDR16C1-6	tr	Q0QD44	Q0QD44_HUMAN	Dehydrogenase/reductase member 3	ENSG00000162496				Mammalia	69	PF00106	
SDR16C2-1	sp	Q8NBQ5	DHB11_HUMAN	Estradiol 17-beta-dehydrogenase I I	ENSG00000198189				Mammalia	300	PF00106	C
SDR16C2-2					ENSG00000198189	ENSP00000351035	ENST00000358290	Estradiol 17-beta-dehydrogenase I I Precursor	Mammalia	300		C
SDR16C3-1	sp	Q7Z5P4	DHB13_HUMAN	17-beta hydroxysteroid dehydrogenase I3	ENSG00000170509	ENSP00000333300	ENST00000328546	17-beta hydroxysteroid dehydrogenase I3 Precursor	Mammalia	300	PF00106	C
SDR16C3-2					ENSG00000170509	ENSP00000305438	ENST00000302219	17-beta hydroxysteroid dehydrogenase I3 Precursor	Mammalia	264		C
SDR16C4-1	sp	Q8IZV5	RDH10_HUMAN	Retinol dehydrogenase I0	ENSG00000121039	ENSP00000240285	ENST00000240285	Retinol dehydrogenase I0	Mammalia	341	PF00106	C
SDR16C5-1	sp	Q8N3Y7	RDHE2_HUMAN	Epidermal retinal dehydrogenase 2	ENSG00000170786	ENSP00000307607	ENST00000303749	Epidermal retinal dehydrogenase 2	Mammalia	309	PF00106	C
SDR16C5-2	tr	B4DGK2	B4DGK2_HUMAN	cDNA FLJ50141, highly similar to Homo sapiens epidermal retinal dehydrogenase 2 (RDHE2), mRNA (Retinal short chain dehydrogenase reductase isoform I, isoform CRA_a)					Mammalia	265		
SDR16C5-3	tr	B3KT84	B3KT84_HUMAN	cDNA FLJ37840 fis, clone BRSSN2011799, highly similar to Homo sapiens epidermal retinal dehydrogenase 2 (RDHE2), mRNA					Mammalia	231		
SDR16C5-4					ENSG00000170786	ENSP00000379947	ENST00000396721	Epidermal retinal dehydrogenase 2	Mammalia	265		
SDR16C6-1			XP_498284						Mammalia	323		
SDR17C1-1	sp	Q9NUI1	DECR2_HUMAN	Peroxisomal 2,4-dienoyl-CoA reductase	ENSG00000103202	ENSP00000219481	ENST00000219481	peroxisomal 2,4-dienoyl-CoA reductase	Mammalia	292	PF00106	C
SDR17C1-2	tr	Q4VXZ8	Q4VXZ8_HUMAN	2,4-dienoyl CoA reductase 2, peroxisomal	ENSG00000103202	ENSP00000372392	ENST00000382934	peroxisomal 2,4-dienoyl-CoA reductase	Mammalia	280	PF00106	C
SDR17C1-3					ENSG00000103202	ENSP00000380822	ENST00000397710	peroxisomal 2,4-dienoyl-CoA reductase	Mammalia	211		
SDR18C1-1	sp	Q16698	DECR_HUMAN	2,4-dienoyl-CoA reductase, mitochondrial	ENSG00000104325	ENSP00000220764	ENST00000220764	2,4-dienoyl-CoA reductase, mitochondrial Precursor	Mammalia	335	PF00106	C
SDR18C1-2	tr	Q7LDK6	Q7LDK6_HUMAN	2,4-dienoyl-CoA reductase	ENSG00000104325				Mammalia	188	PF00106	
SDR19C1-1	sp	Q96LJ7	DHRS1_HUMAN	Dehydrogenase/reductase SDR family member I	ENSG00000157379	ENSP00000288111	ENST00000288111	Dehydrogenase/reductase SDR family member I	Mammalia	313	PF00106	C
SDR19C1-2					ENSG00000157379	ENSP00000380027	ENST00000396813	Dehydrogenase/reductase SDR family member I	Mammalia	313		C
SDR20C1-1	sp	Q7Z4W1	DCXR_HUMAN	L-xylulose reductase	ENSG00000169738	ENSP00000303356	ENST00000306869	L-xylulose reductase	Mammalia	244	PF00106	C
SDR21C1-1	sp	PI6152	CBR1_HUMAN	Carbonyl reductase [NADPH] I	ENSG00000159228	ENSP00000290349	ENST00000290349	Carbonyl reductase [NADPH] I	Mammalia	277	PF00106	C

Human SDR enzymes

version 1, 19.12.2008

SDR member	DB	Uniprot AC	Uniprot ID	Uniprot description	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Ensembl description	Kingdom	Seq In	Pfam	SAM
SDR21C1-2	tr	B2RBZ7	B2RBZ7_HUMAN	cDNA, FLJ95780, Homo sapiens carbonyl reductase 1 (CBR1), mRNA (Carbonyl reductase 1, isoform CRA_d)					Mammalia	277		C
SDR21C1-3	tr	A8MTM1	A8MTM1_HUMAN	Uncharacterized protein CBR1	ENSG00000159228	ENSP00000382143	ENST00000399191	Carbonyl reductase [NADPH]	Mammalia	222	PF00106	U
SDR21C2-1	sp	O75828	CBR3_HUMAN	Carbonyl reductase [NADPH] 3	ENSG00000159231	ENSP00000290354	ENST00000290354	Carbonyl reductase [NADPH]	Mammalia	277	PF00106	C
SDR21C2-2	tr	Q53F60	Q53F60_HUMAN	Carbonyl reductase 3 variant	ENSG00000159231				Mammalia	277	PF00106	C
SDR21C2-3	tr	Q6FHP2	Q6FHP2_HUMAN	CBR3 protein (Carbonyl reductase 3) (NADPH-dependent carbonyl reductase 3)	ENSG00000159231				Mammalia	277	PF00106	C
SDR22E1-1	sp	Q16795	NDUA9_HUMAN	NADH dehydrogenase [ubiquinone] I alpha subcomplex subunit 9, mitochondrial	ENSG00000139180	ENSP00000266544	ENST00000266544	NADH dehydrogenase [ubiquinone] I alpha subcomplex subunit 9, mitochondrial	Mammalia	377	PF01370	
SDR22E1-2	tr	A8K4V2	A8K4V2_HUMAN	cDNA FLJ75930, highly similar to Homo sapiens NADH dehydrogenase (ubiquinone) I alpha subcomplex, 9, 39kDa (NDUFA9), mRNA					Mammalia	377	PF01370	
SDR22E1-3	tr	Q9BTT5	Q9BTT5_HUMAN	Similar to NADH dehydrogenase (Ubiquinone) I alpha subcomplex, 9 (39kD)	ENSG00000139180				Mammalia	338	PF01370	
SDR23E1-1	sp	Q9NZL9	MAT2B_HUMAN	Methionine adenosyltransferase 2 subunit beta	ENSG00000038274	ENSP00000325425	ENST00000321757	Methionine adenosyltransferase 2 subunit beta	Mammalia	334		E
SDR23E1-2	tr	B2R5Y6	B2R5Y6_HUMAN	cDNA, FLJ92687, Homo sapiens methionine adenosyltransferase II, beta (MAT2B), mRNA (Methionine adenosyltransferase II, beta, isoform CRA_a)					Mammalia	334		E
SDR23E1-3	tr	A8K7A4	A8K7A4_HUMAN	cDNA FLJ76904, highly similar to Homo sapiens methionine adenosyltransferase II, beta (MAT2B), transcript variant 2, mRNA					Mammalia	323		E
SDR23E1-4					ENSG00000038274	ENSP00000280969	ENST00000280969	Methionine adenosyltransferase 2 subunit beta	Mammalia	323		E
SDR23E1-5					ENSG00000038274	ENSP00000377485	ENST00000393908	Methionine adenosyltransferase 2 subunit beta	Mammalia	82		
SDR24C1-1	sp	Q6UWP2	DHRI1_HUMAN	Dehydrogenase/reductase SDR family member 11	ENSG00000108272	ENSP00000251312	ENST00000251312	Dehydrogenase/reductase SDR family member 11	Mammalia	260	PF00106	C
SDR24C1-2	tr	A8MXC2	A8MXC2_HUMAN	Uncharacterized protein ENSP00000377962	ENSG00000108272	ENSP00000377962	ENST00000394445	Dehydrogenase/reductase SDR family member 11	Mammalia	119	PF00106	
SDR24C1-3					ENSG00000108272	ENSP00000354182	ENST00000360926	Dehydrogenase/reductase SDR family member 11	Mammalia	181		
SDR25C1-1	sp	Q13268	DHRS2_HUMAN	Dehydrogenase/reductase SDR family member 2	ENSG00000100867				Mammalia	258	PF00106	C
SDR25C1-2	tr	Q7Z789	Q7Z789_HUMAN	Dehydrogenase/reductase (SDR family) member 2	ENSG00000100867	ENSP00000344674	ENST00000344777	Dehydrogenase/reductase SDR family member 2	Mammalia	300	PF00106	C

Human SDR enzymes

version 1, 19.12.2008

SDR member	DB	Uniprot AC	Uniprot ID	Uniprot description	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Ensembl description	Kingdom	Seq In	Pfam	SAM
SDR25C1-3	tr	Q53GS4	Q53GS4_HUMAN	Dehydrogenase/reductase (SDR family) member 2 isoform 2 variant	ENSG00000100867				Mammalia	280	PF00106	C
SDR25C1-4	tr	Q59F08	Q59F08_HUMAN	Dehydrogenase/reductase (SDR family) member 2 isoform 2 variant					Mammalia	166	PF00106	
SDR25C1-5					ENSG00000100867	ENSP00000250383	ENST00000250383	Dehydrogenase/reductase SDR family member 2	Mammalia	280		C
SDR25C2-1	sp	Q9BTZ2	DHRS4_HUMAN	Dehydrogenase/reductase SDR family member 4	ENSG00000157326	ENSP00000380263	ENST00000397073	Dehydrogenase/reductase SDR family member 4	Mammalia	260	PF00106	C
SDR25C2-2	tr	B2RB10	B2RB10_HUMAN	cDNA, FLJ95247, highly similar to Homo sapiens dehydrogenase/reductase (SDR family) member 4 (DHRS4), mRNA					Mammalia	260		C
SDR25C2-3					ENSG00000157326	ENSP00000326219	ENST00000313250	Dehydrogenase/reductase SDR family member 4	Mammalia	278		C
SDR25C2-4					ENSG00000157326	ENSP00000311993	ENST00000308178	Dehydrogenase/reductase SDR family member 4	Mammalia	192		
SDR25C2-5					ENSG00000157326	ENSP00000372209	ENST00000382761	Dehydrogenase/reductase SDR family member 4	Mammalia	188		
SDR25C2-6					ENSG00000157326	ENSP00000380265	ENST00000397075	Dehydrogenase/reductase SDR family member 4	Mammalia	174		
SDR25C2-7					ENSG00000157326	ENSP00000326086	ENST00000348916	Dehydrogenase/reductase SDR family member 4	Mammalia	158		
SDR25C2-8					ENSG00000157326	ENSP00000380264	ENST00000397074	Dehydrogenase/reductase SDR family member 4	Mammalia	140		
SDR25C3-1	sp	Q6PKH6	DR4L2_HUMAN	Dehydrogenase/reductase SDR family member 4-like 2	ENSG00000187630				Mammalia	230	PF00106	
SDR25C3-2					ENSG00000187630	ENSP00000334801	ENST00000335125	Dehydrogenase/reductase SDR family member 4-like 2	Mammalia	232		
SDR25C3-3					ENSG00000187630	ENSP00000372203	ENST00000382755	Dehydrogenase/reductase SDR family member 4-like 2	Mammalia	230		
SDR25C3-4					ENSG00000187630	ENSP00000380261	ENST00000397071	Dehydrogenase/reductase SDR family member 4-like 2	Mammalia	192		
SDR25C3-5					ENSG00000187630	ENSP00000380255	ENST00000397065	Dehydrogenase/reductase SDR family member 4-like 2	Mammalia	135		
SDR25C4-1			NP_001075957						Mammalia	281		
SDR26C1-1	sp	P28845	DH11_HUMAN	Corticosteroid 11-beta-dehydrogenase isozyme I	ENSG00000117594	ENSP00000355994	ENST00000367027	Corticosteroid 11-beta-dehydrogenase isozyme I	Mammalia	292	PF00106	C

Human SDR enzymes

version 1, 19.12.2008

SDR member	DB	Uniprot AC	Uniprot ID	Uniprot description	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Ensembl description	Kingdom	Seq In	Pfam	SAM
SDR26C1-2	tr	B2R9Z1	B2R9Z1_HUMAN	cDNA, FLJ94621, Homo sapiens hydroxysteroid (11-beta) dehydrogenase I (HSD11B1), mRNA (Hydroxysteroid (11-beta) dehydrogenase I, isoform CRA_a)					Mammalia	292		C
SDR26C1-3					ENSG00000117594	ENSP00000261465	ENST00000261465	Corticosteroid 11-beta-dehydrogenase isozyme I	Mammalia	292		C
SDR26C1-4					ENSG00000117594	ENSP00000355995	ENST00000367028	Corticosteroid 11-beta-dehydrogenase isozyme I	Mammalia	292		C
SDR26C2-1	sp	Q7Z5J1	DH11L_HUMAN	Hydroxysteroid 11-beta-dehydrogenase I-like protein	ENSG00000167733				Mammalia	315	PF00106	C
SDR26C2-2					ENSG00000167733	ENSP00000340436	ENST00000339423	steroid C-11alpha dehydrogenase/reductase 10	Mammalia	286		C
SDR26C2-3					ENSG00000167733	ENSP00000378088	ENST00000394587	steroid C-11alpha dehydrogenase/reductase 10	Mammalia	244		
SDR26C2-4					ENSG00000167733	ENSP00000301382	ENST00000301382	steroid C-11alpha dehydrogenase/reductase 10	Mammalia	205		
SDR26C2-5					ENSG00000167733	ENSP00000343451	ENST00000342970	steroid C-11alpha dehydrogenase/reductase 10	Mammalia	199		
SDR26C2-6					ENSG00000167733	ENSP00000378085	ENST00000394584	steroid C-11alpha dehydrogenase/reductase 10 isoform 2	Mammalia	199		
SDR27X1-1	sp	P49327	FAS_HUMAN 1885 2116	Fatty acid sXthase	ENSG00000169710				Mammalia	2511	PF00106	X
SDR27X1-2	tr	Q4LE83	Q4LE83_HUMAN 1922 2153	FASN variant protein	ENSG00000169710				Mammalia	2548	PF00106	X
SDR27X1-3					ENSG00000169710	ENSP00000304592	ENST00000306749	Fatty acid sXthase	Mammalia	2511		X
SDR28C1-1	sp	P14061	DHB1_HUMAN	Estradiol 17-beta-dehydrogenase I	ENSG00000108786				Mammalia	328	PF00106	C
SDR28C1-2	tr	B3RFR9	B3RFR9_HUMAN	Hydroxysteroid (17-beta) dehydrogenase I isoform					Mammalia	359		C
SDR28C1-3	tr	B3KXS1	B3KXS1_HUMAN	cDNA FLJ45935 fis, clone PLACE7003985, highly similar to Estradiol 17-beta-dehydrogenase I (Hydroxysteroid (17-beta) dehydrogenase I)					Mammalia	328		C
SDR28C1-4	tr	Q13034	Q13034_HUMAN	17 beta-hydroxysteroid dehydrogenase	ENSG00000108785				Mammalia	214	PF00106	C
SDR28C1-6					ENSG00000108785	ENSP00000225928	ENST00000225928	17 beta-hydroxysteroid	Mammalia	214		C
SDR28C1-5					ENSG00000108786	ENSP00000225929	ENST00000225929	Estradiol 17-beta-dehydrogenase I	Mammalia	328		C
SDR28C2-1	sp	Q9NYR8	RDH8_HUMAN	Retinol dehydrogenase 8	ENSG00000080511	ENSP00000171214	ENST00000171214	Retinol dehydrogenase 8	Mammalia	311	PF00106	C
SDR29C1-1	sp	Q9BY49	PECR_HUMAN	Peroxisomal trans-2-enoyl-CoA reductase	ENSG00000115425	ENSP00000265322	ENST00000265322	Peroxisomal trans-2-enoyl-CoA reductase	Mammalia	303	PF00106	C
SDR29C1-2	tr	B2RE42	B2RE42_HUMAN	cDNA, FLJ96915, Homo sapiens peroxisomal trans-2-enoyl-CoA reductase (PECR), mRNA					Mammalia	303		C
SDR30C1-1	sp	Q92506	DHB8_HUMAN	Estradiol 17-beta-dehydrogenase 8	ENSG00000112474	ENSP00000230236	ENST00000230236	Estradiol 17-beta-dehydrogenase 8	Mammalia	261	PF00106	C
SDR30C1-2					ENSG00000204228	ENSP00000363794	ENST00000374662	Estradiol 17-beta-dehydrogenase 8	Mammalia	261		C

Human SDR enzymes

version 1, 19.12.2008

SDR member	DB	Uniprot AC	Uniprot ID	Uniprot description	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Ensembl description	Kingdom	Seq In	Pfam	SAM
SDR30C1-3					ENSG00000206216	ENSP00000372558	ENST00000383080	3-oxoacyl-CoA synthetase	Mammalia	261		C
SDR31E1-1	sp	Q15738	NSDHL_HUMAN	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	ENSG00000147383	ENSP00000359297	ENST00000370274	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	Mammalia	373	PF01073	E
SDR32C1-1	sp	Q61AN0	DRS7B_HUMAN	Dehydrogenase/reductase SDR family member 7B	ENSG00000109016	ENSP00000320352	ENST00000346603	Dehydrogenase/reductase SDR family member 7B	Mammalia	325	PF00106	C
SDR32C1-2					ENSG00000109016	ENSP00000378887	ENST00000395511	Dehydrogenase/reductase SDR family member 7B	Mammalia	325		C
SDR32C2-1	sp	A6NNS2	DRS7C_HUMAN	Dehydrogenase/reductase SDR family member 7C	ENSG00000184544				Mammalia	312	PF00106	C
SDR32C2-2					ENSG00000184544	ENSP00000327975	ENST00000330255	Dehydrogenase/reductase SDR family member 7C	Mammalia	327		C
SDR33C1-1	sp	P09417	DHPR_HUMAN	Dihydropteridine reductase	ENSG00000151552	ENSP00000281243	ENST00000281243	Dihydropteridine reductase	Mammalia	244	PF00106	C
SDR33C1-2	tr	A8K158	A8K158_HUMAN	cDNA FLJ70220, highly similar to Homo sapiens quinoid dihydropteridine reductase (QDPR), mRNA (Quinoid dihydropteridine reductase, isoform CRA_d)					Mammalia	244	PF00106	C
SDR33C1-3	tr	B3KW71	B3KW71_HUMAN	cDNA FLJ42391 fis, clone 3NB692002806, highly similar to Dihydropteridine reductase (Quinoid dihydropteridine reductase, isoform CRA_e)					Mammalia	213		
SDR34C1-1	sp	Q9Y394	DHRS7_HUMAN	Dehydrogenase/reductase SDR family member 7	ENSG00000100612	ENSP00000216500	ENST00000216500	Dehydrogenase/reductase SDR family member 7	Mammalia	339	PF00106	C
SDR34C1-2	tr	Q659E8	Q659E8_HUMAN	Putative uncharacterized protein DKFZp564H1664	ENSG00000100612			Precursor	Mammalia	375	PF00106	C
SDR34C1-3	tr	B2R896	B2R896_HUMAN	cDNA, FLJ93797, Homo sapiens dehydrogenase/reductase (SDR family) member 7 (DHRS7), mRNA (Dehydrogenase/reductase (SDR family) member 7, isoform CRA_b)					Mammalia	339		C
SDR34C1-4					ENSG00000100612	ENSP00000353759	ENST00000360557	Dehydrogenase/reductase SDR family member 7	Mammalia	375		C
SDR35C1-1	sp	Q06136	KDSR_HUMAN	3-ketodihydrosphingosine reductase	ENSG00000119537	ENSP00000385083	ENST00000406396	3-ketodihydrosphingosine reductase Precursor	Mammalia	332	PF00106	C
SDR35C1-2	tr	B2R5Y1	B2R5Y1_HUMAN	cDNA, FLJ72680, Homo sapiens follicular lymphoma variant translocation 1 (FVT1), mRNA (Follicular lymphoma variant translocation 1, isoform CRA_a)					Mammalia	332		C
SDR35C1-3	tr	B4DMX0	B4DMX0_HUMAN	cDNA FLJ57536, moderately similar to 3-ketodihydrosphingosine reductase (EC 1.1.1.102)					Mammalia	268		
SDR35C1-4					ENSG00000119537	ENSP00000312939	ENST00000326575	3-ketodihydrosphingosine reductase Precursor	Mammalia	332		C
SDR36C1-1	sp	PI5428	PGDH_HUMAN	15-hydroxyprostaglandin dehydrogenase [NAD+]	ENSG00000164120	ENSP00000296522	ENST00000296522	15-hydroxyprostaglandin dehydrogenase [NAD+]	Mammalia	266	PF00106	C

Human SDR enzymes

version 1, 19.12.2008

SDR member	DB	Uniprot AC	Uniprot ID	Uniprot description	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Ensembl description	Kingdom	Seq In	Pfam	SAM
SDR36C1-2	tr	Q06F08	Q06F08_HUMAN	Hydroxyprostaglandin dehydrogenase 15-(NAD) (Hydroxyprostaglandin dehydrogenase 15-(NAD), isoform CRA_a) (cDNA, FLJ95465, highly similar to Homo sapiens hydroxyprostaglandin dehydrogenase 15-(NAD) (HPGD), mRNA)	ENSG00000164120				Mammalia	266	PF00106	C
SDR36C1-3	tr	Q12998	Q12998_HUMAN	15-hydroxy prostaglandin dehydrogenase	ENSG00000164120				Mammalia	178	PF00106	
SDR36C1-4	tr	O00749	O00749_HUMAN	15-hydroxyprostaglandin dehydrogenase (Hydroxyprostaglandin dehydrogenase 15-(NAD), isoform CRA_b)	ENSG00000164120				Mammalia	143	PF00106	
SDR36C1-5	tr	Q9NZQ5	Q9NZQ5_HUMAN	NAD+ -dependent 15-hydroxyprostaglandin dehydrogenase	ENSG00000164120				Mammalia	72	PF00106	
SDR36C1-6					ENSG00000164120	ENSP00000296521	ENST00000296521	15-hydroxyprostaglandin dehydrogenase [NAD+]	Mammalia	178		
SDR37C1-1	sp	P56937	DHB7_HUMAN	3-keto-steroid reductase	ENSG00000132196	ENSP00000254521	ENST00000254521	3-keto-steroid reductase	Mammalia	341	PF00106	C
SDR37C1-2	tr	Q5T246	Q5T246_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 7 (HCG2024989, isoform CRA_a) (cDNA FLJ76137, highly similar to Homo sapiens hydroxysteroid (17-beta) dehydrogenase 7 (HSD17B7), mRNA)	ENSG00000132196				Mammalia	341	PF00106	C
SDR37C1-3	tr	Q9H9C0	Q9H9C0_HUMAN	cDNA FLJ12867 fis, clone NT2RP2003702, highly similar to Homo sapiens 17 beta-hydroxysteroid dehydrogenase type VII (HSD17B7) mRNA (HCG2024989, isoform CRA_i)	ENSG00000132196				Mammalia	155	PF00106	
SDR37C1-4	tr	Q5T248	Q5T248_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 7 (HCG2024989, isoform CRA_e)	ENSG00000132196	ENSP00000356889	ENST00000367913	3-keto-steroid reductase	Mammalia	111	PF00106	
SDR37C1-5	tr	Q5T249	Q5T249_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 7 (HCG2024989, isoform CRA_g)	ENSG00000132196	ENSP00000356892	ENST00000367915	3-keto-steroid reductase	Mammalia	84	PF00106	
SDR37C1-6					ENSG00000132196	ENSP00000356894	ENST00000367917	3-keto-steroid reductase	Mammalia	306		E
SDR37C1-7					ENSG00000132196	ENSP00000348664	ENST00000356314	3-keto-steroid reductase	Mammalia	109		
SDR37C2-1	tr	A6NH47	A6NH47_HUMAN	Uncharacterized protein HSD17B7P2	ENSG00000099251	ENSP00000277668	ENST00000277668	HSD17B7P2 protein	Mammalia	262	PF00106	E
SDR37C2-2	tr	Q6IPC1	Q6IPC1_HUMAN	HSD17B7P2 protein	ENSG00000099251	ENSP00000363688	ENST00000374560	HSD17B7P2 protein	Mammalia	229	PF00106	
SDR37C2-3	tr	Q5MGS6	Q5MGS6_HUMAN	17-beta-hydroxysteroid dehydrogenase type VII isoform a	ENSG00000099251				Mammalia	229	PF00106	
SDR37C2-4	tr	B4DF79	B4DF79_HUMAN	cDNA FLJ60462, highly similar to 3-keto-steroid reductase (EC 1.1.1.270)					Mammalia	225		
SDR37C2-5	tr	Q9NRW5	Q9NRW5_HUMAN	17-beta-hydroxysteroid dehydrogenase type VII	ENSG00000099251	ENSP00000265891	ENST00000265891	HSD17B7P2 protein	Mammalia	223	PF00106	
SDR37C2-6	tr	Q9NRW6	Q9NRW6_HUMAN	17-beta-hydroxysteroid dehydrogenase type VII isoform	ENSG00000099251	ENSP00000314303	ENST00000319742	HSD17B7P2 protein	Mammalia	111	PF00106	
SDR38C1-1	sp	P35270	SPRE_HUMAN	Sepiapterin reductase	ENSG00000116096	ENSP00000234454	ENST00000234454	Sepiapterin reductase	Mammalia	261	PF00106	C
SDR39U1-1		Q9NRG7	CNI24_HUMAN		ENSG00000100445				Mammalia	319		
SDR39U1-2					ENSG00000100445	ENSP00000382327	ENST00000399395	UPF0105 protein C14orf124	Mammalia	293		

Human SDR enzymes

version 1, 19.12.2008

SDR member	DB	Uniprot AC	Uniprot ID	Uniprot description	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Ensembl description	Kingdom	Seq In	Pfam	SAM
SDR39U1-4					ENSG00000100445	ENSP00000382322	ENST00000399390	UPF0105 protein C14orf124	Mammalia	198		
SDR39U1-3					ENSG00000100445	ENSP00000336854	ENST00000336353	UPF0105 protein C14orf124	Mammalia	318		
SDR40C1-1	sp	A0PJE2	DHR12_HUMAN	Dehydrogenase/reductase SDR family member 12	ENSG00000102796				Mammalia	317	PF00106	C
SDR40C1-2					ENSG00000102796	ENSP00000280056	ENST00000280056	dehydrogenase/reductase	Mammalia	271		
SDR40C1-3					ENSG00000102796	ENSP00000218981	ENST00000218981	dehydrogenase/reductase	Mammalia	242		
SDR41C1-1	sp	Q9NZC7	WVOX_HUMAN	WW domain-containing oxidoreductase	ENSG00000186153	ENSP00000386161	ENST00000408984	WW domain-containing oxidoreductase	Mammalia	414	PF00106	C
SDR41C1-2	tr	A8K323	A8K323_HUMAN	cDNA FLJ77452, highly similar to Homo sapiens WW domain containing oxidoreductase (WVOX), transcript variant 1, mRNA					Mammalia	414	PF00106	C
SDR41C1-3	tr	A8K515	A8K515_HUMAN	cDNA FLJ78250, highly similar to Homo sapiens WW domain containing oxidoreductase (WVOX), transcript variant 1, mRNA					Mammalia	414	PF00106	C
SDR41C1-4	tr	B3KNJ9	B3KNJ9_HUMAN	cDNA FLJ14720 fis, clone NT2RP3001495, highly similar to WW domain-containing oxidoreductase (EC 1.1.1.-)					Mammalia	414		C
SDR41C1-5	tr	B4DPG3	B4DPG3_HUMAN	cDNA FLJ56924, highly similar to WW domain-containing oxidoreductase (EC 1.1.1.-)					Mammalia	301		C
SDR41C1-6					ENSG00000186153	ENSP00000333406	ENST00000329729	WW domain-containing oxidoreductase	Mammalia	525		C
SDR41C1-7					ENSG00000186153	ENSP00000384238	ENST00000402655	WW domain-containing oxidoreductase	Mammalia	311		
SDR41C1-8					ENSG00000186153	ENSP00000384495	ENST00000406884	WW domain-containing oxidoreductase	Mammalia	234		
SDR41C1-9					ENSG00000186153	ENSP00000384441	ENST00000402759	WW domain-containing oxidoreductase	Mammalia	213		
SDR41C1-10					ENSG00000186153	ENSP00000348119	ENST00000355860	WW domain-containing oxidoreductase	Mammalia	189		
SDR41C1-11					ENSG00000186153	ENSP00000299644	ENST00000299644	WW domain-containing oxidoreductase	Mammalia	178		
SDR42E1-1	sp	Q8WUS8	YP022_HUMAN	3-beta-HSD family protein HSPC105	ENSG00000184860	ENSP00000332407	ENST00000328945	3-beta-HSD family protein HSPC105	Mammalia	393	PF01073	E
SDR42E1-2	tr	B2RDS1	B2RDS1_HUMAN	cDNA FLJ76743, Homo sapiens HSPC105 dependent steroid dehydrogenase-like (HSPC105), mRNA					Mammalia	383		E
SDR42E2-1	sp	A6NKP2	YP030_HUMAN	Putative 3-beta-HSD family protein	ENSG00000183921				Mammalia	422	PF01073	E
SDR42E2-2					ENSG00000183921	ENSP00000330812	ENST00000330898	Putative 3-beta-HSD family protein ENSP00000330812	Mammalia	382		E
SDR43U1-1	sp	P30043	BLVRB_HUMAN	Flavin reductase	ENSG00000090013	ENSP00000263368	ENST00000263368	Flavin reductase	Mammalia	206	PF01370	
SDR44U1-1	sp	Q9BUP3	HTA12_HUMAN	Oxidoreductase HTATIP2	ENSG00000109854				Mammalia	242		U
SDR44U1-2	tr	A8K7S7	A8K7S7_HUMAN	cDNA FLJ75232, highly similar to Homo sapiens HIV-1 Tat interactive protein 2, 30kDa (HTATIP2), mRNA	ENSG00000109854	ENSP00000344925	ENST00000338653	Oxidoreductase HTATIP2	Mammalia	242		U
SDR45C1-1	sp	Q8N4T8	CBR4_HUMAN	Carbonyl reductase 4	ENSG00000145439				Mammalia	237	PF00106	C
SDR45C1-2					ENSG00000145439	ENSP00000303525	ENST00000306193	Carbonyl reductase 4	Mammalia	237		C
SDR46C1-1	sp	Q8N514	DHRXS_HUMAN	Dehydrogenase/reductase SDR family member on chromosome X	ENSG00000169084	ENSP00000370623	ENST00000381225	Dehydrogenase/reductase SDR family member on chromosome X	Mammalia	330	PF00106	C

Human SDR enzymes

version 1, 19.12.2008

SDR member	DB	Uniprot AC	Uniprot ID	Uniprot description	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Ensembl description	Kingdom	Seq In	Pfam	SAM
SDR46C1-3					ENSG00000169084	ENSP00000370621	ENST00000381223	Dehydrogenase/reductase SDR family member on	Mammalia	266		
SDR46C1-2					ENSG00000169084	ENSP00000334113	ENST00000334651	Dehydrogenase/reductase SDR family member on	Mammalia	330		C
SDR47C1-1	sp	Q9BPX1	DHB14_HUMAN	17-beta-hydroxysteroid dehydrogenase 14	ENSG00000087076	ENSP00000263278	ENST00000263278	17-beta-hydroxysteroid dehydrogenase 14	Mammalia	270	PF00106	C
SDR48A1-1			NMRL1_HUMAN		ENSG00000153406	ENSP00000383962	ENST00000283429	NmrA-like family domain-containing protein 1	Mammalia	299		
SDR48A1-2					ENSG00000153406	ENSP00000283429	ENST00000404295	NmrA-like family domain-containing protein 1	Mammalia	299		