

SwissTargetPrediction

Target	Common name	Uniprot ID	ChEMBL ID	Target Class	Probability*	Known actives (3D/2D)
Aldose reductase	AKR1B1	P15121	CHEMBL1900	Enzyme	1.0	28 / 24
Aldo-keto reductase family 1 member B10	AKR1B10	O60218	CHEMBL5983	Enzyme	1.0	2 / 18
Matrix metalloproteinase 13	MMP13	P45452	CHEMBL280	Protease	0.180919787145	2 / 3
Matrix metalloproteinase 2	MMP2	P08253	CHEMBL333	Protease	0.180919787145	1 / 6
Matrix metalloproteinase 12	MMP12	P39900	CHEMBL4393	Protease	0.130706652821	1 / 5
Beta amyloid A4 protein	APP	P05067	CHEMBL2487	Membrane receptor	0.113979814646	1 / 16
Leukocyte elastase	ELANE	P08246	CHEMBL248	Protease	0.0972399887602	0 / 2
Glucose-6-phosphate translocase	SLC37A4	O43826	CHEMBL3217398	Electrochemical transporter	0.0972399887602	0 / 2
Liver glycogen phosphorylase	PYGL	P06737	CHEMBL2568	Enzyme	0.0972399887602	12 / 1
Protein kinase C delta (by homology)	PRKCD	Q05655	CHEMBL2996	Kinase	0.0972399887602	0 / 51
Protein kinase C alpha	PRKCA	P17252	CHEMBL299	Kinase	0.0972399887602	0 / 243
Beta-secretase 1	BACE1	P56817	CHEMBL4822	Protease	0.0972399887602	0 / 3
Phosphodiesterase 5A	PDE5A	O76074	CHEMBL1827	Phosphodiesterase	0.0972399887602	0 / 1
Phosphodiesterase 4D	PDE4D	Q08499	CHEMBL288	Phosphodiesterase	0.0972399887602	0 / 3
Phosphodiesterase 9A	PDE9A	O76083	CHEMBL3535	Phosphodiesterase	0.0972399887602	0 / 1
Phosphodiesterase 1B	PDE1B	Q01064	CHEMBL4425	Phosphodiesterase	0.0972399887602	0 / 1
Carbonic anhydrase II	CA2	P00918	CHEMBL205	Lyase	0.0972399887602	59 / 24
Carbonic anhydrase I	CA1	P00915	CHEMBL261	Lyase	0.0972399887602	46 / 33
Carbonic anhydrase XII	CA12	O43570	CHEMBL3242	Lyase	0.0972399887602	26 / 32
Carbonic anhydrase IX	CA9	Q16790	CHEMBL3594	Lyase	0.0972399887602	28 / 36
Carbonic anhydrase VB	CA5B	Q9Y2D0	CHEMBL3969	Lyase	0.0972399887602	0 / 14
Endothelin receptor ET-A (by homology)	EDNRA	P25101	CHEMBL252	Family A G protein-coupled receptor	0.0972399887602	0 / 1
P-glycoprotein 1	ABCB1	P08183	CHEMBL4302	Primary active transporter	0.0972399887602	0 / 72
Sialidase 4	NEU4	Q8WWR8	CHEMBL4174	Enzyme	0.0	6 / 0
AMP deaminase 3	AMPD3	Q01432	CHEMBL2912	Enzyme	0.0	3 / 0
Monoglyceride lipase	MGLL	Q99685	CHEMBL4191	Enzyme	0.0	0 / 2
Receptor protein-tyrosine kinase erbB-2	ERBB2	P04626	CHEMBL1824	Kinase	0.0	0 / 1
Epidermal growth factor receptor erbB1	EGFR	P00533	CHEMBL203	Kinase	0.0	0 / 2
Cyclooxygenase-1	PTGS1	P23219	CHEMBL221	Oxidoreductase	0.0	0 / 1
Norepinephrine transporter	SLC6A2	P23975	CHEMBL222	Electrochemical transporter	0.0	0 / 3
MAP kinase ERK2	MAPK1	P28482	CHEMBL4040	Kinase	0.0	0 / 1
Aldo-keto reductase family 1 member C4	AKR1C4	P17516	CHEMBL4999	Enzyme	0.0	0 / 1
Aldo-keto reductase family	AKR1C2	P52895	CHEMBL5847	Enzyme	0.0	0 / 1

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1 member C2						
Hematopoietic cell protein-tyrosine phosphatase 70Z-PEP	PTPN22	Q9Y2R2	CHEMBL2889	Phosphatase	0.0	4 / 0
Glutamate receptor ionotropic kainate 2	GRIK2	Q13002	CHEMBL3683	Ligand-gated ion channel	0.0	1 / 0
Glutamate receptor ionotropic kainate 3	GRIK3	Q13003	CHEMBL3684	Ligand-gated ion channel	0.0	1 / 0
Arachidonate 5-lipoxygenase	ALOX5	P09917	CHEMBL215	Oxidoreductase	0.0	0 / 13
Hypoxanthine-guanine phosphoribosyltransferase	HPRT1	P00492	CHEMBL2360	Enzyme	0.0	2 / 0
Inhibitor of nuclear factor kappa B kinase beta subunit	IKBKB	O14920	CHEMBL1991	Kinase	0.0	0 / 3
Glutamate carboxypeptidase II	FOLH1	Q04609	CHEMBL1892	Protease	0.0	20 / 0
Tyrosine-protein kinase SRC	SRC	P12931	CHEMBL267	Kinase	0.0	1 / 0
Caspase-3	CASP3	P42574	CHEMBL2334	Protease	0.0	10 / 0
Caspase-6	CASP6	P55212	CHEMBL3308	Protease	0.0	3 / 0
Caspase-7	CASP7	P55210	CHEMBL3468	Protease	0.0	3 / 0
Caspase-8	CASP8	Q14790	CHEMBL3776	Protease	0.0	3 / 0
Caspase-1	CASP1	P29466	CHEMBL4801	Protease	0.0	3 / 0
Caspase-2	CASP2	P42575	CHEMBL4884	Protease	0.0	2 / 0
Hepatocyte growth factor receptor	MET	P08581	CHEMBL3717	Kinase	0.0	0 / 18
Tyrosinase	TYR	P14679	CHEMBL1973	Oxidoreductase	0.0	8 / 0
Sialidase 3	NEU3	Q9UQ49	CHEMBL3046	Enzyme	0.0	4 / 0
Sialidase 2	NEU2	Q9Y3R4	CHEMBL3200	Enzyme	0.0	4 / 0
Tyrosyl-tRNA synthetase	YARS	P54577	CHEMBL3179	Enzyme	0.0	12 / 0
Low molecular weight phosphotyrosine protein phosphatase	ACP1	P24666	CHEMBL4903	Phosphatase	0.0	0 / 1
PI3-kinase p110-gamma subunit	PIK3CG	P48736	CHEMBL3267	Enzyme	0.0	1 / 0
Endothelin-converting enzyme 1	ECE1	P42892	CHEMBL4791	Protease	0.0	4 / 0
DNA polymerase beta	POLB	P06746	CHEMBL2392	Enzyme	0.0	3 / 4
Trehalase	TREH	O43280	CHEMBL3087	Enzyme	0.0	1 / 0
Carbonic anhydrase VII	CA7	P43166	CHEMBL2326	Lyase	0.0	5 / 23
Carbonic anhydrase XIV	CA14	Q9ULX7	CHEMBL3510	Lyase	0.0	12 / 22
Carbonic anhydrase IV	CA4	P22748	CHEMBL3729	Lyase	0.0	6 / 15
Carbonic anhydrase XIII	CA13	Q8N1Q1	CHEMBL3912	Lyase	0.0	3 / 16
Carbonic anhydrase VA	CA5A	P35218	CHEMBL4789	Lyase	0.0	4 / 19
Dual-specificity tyrosine-phosphorylation regulated kinase 1A	DYRK1A	Q13627	CHEMBL2292	Kinase	0.0	0 / 8
Dual specificty protein kinase CLK1	CLK1	P49759	CHEMBL4224	Kinase	0.0	0 / 3

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Dual specificity tyrosine-phosphorylation-regulated kinase 1B	DYRK1B	Q9Y463	CHEMBL5543	Kinase	0.0	0 / 7
Neuropilin-1	NRP1	O14786	CHEMBL5174	Secreted protein	0.0	1 / 0
Angiotensin-converting enzyme (by homology)	ACE	P12821	CHEMBL1808	Protease	0.0	12 / 0
Thrombin	F2	P00734	CHEMBL204	Protease	0.0	1 / 0
Matrix metalloproteinase 16	MMP16	P51512	CHEMBL2200	Protease	0.0	1 / 0
Matrix metalloproteinase 14	MMP14	P50281	CHEMBL3869	Protease	0.0	1 / 0
Alpha-L-fucosidase I	FUCA1	P04066	CHEMBL4176	Enzyme	0.0	1 / 0
Matrix metalloproteinase 8	MMP8	P22894	CHEMBL4588	Protease	0.0	2 / 0
Insulin-like growth factor I receptor	IGF1R	P08069	CHEMBL1957	Kinase	0.0	1 / 0
Insulin receptor	INSR	P06213	CHEMBL1981	Kinase	0.0	1 / 0
Butyrylcholinesterase	BCHE	P06276	CHEMBL1914	Hydrolase	0.0	0 / 3
Maltase-glucoamylase	MGAM	O43451	CHEMBL2074	Hydrolase	0.0	8 / 0
Sucrase-isomaltase	SI	P14410	CHEMBL2748	Enzyme	0.0	8 / 0
Folylpoly-gamma-glutamate synthetase	FPGS	Q05932	CHEMBL3171	Enzyme	0.0	1 / 0
ATP-citrate synthase	ACLY	P53396	CHEMBL3720	Enzyme	0.0	3 / 0
Pancreatic alpha-amylase	AMY2A	P04746	CHEMBL2045	Hydrolase	0.0	1 / 0
Neprilysin	MME	P08473	CHEMBL1944	Protease	0.0	9 / 0
Aminopeptidase A	ENPEP	Q07075	CHEMBL3439	Protease	0.0	15 / 0
Carbonic anhydrase VI	CA6	P23280	CHEMBL3025	Lyase	0.0	1 / 16
Aldehyde dehydrogenase	ALDH2	P05091	CHEMBL1935	Oxidoreductase	0.0	1 / 0
Hydroxycarboxylic acid receptor 2	HCAR2	Q8TDS4	CHEMBL3785	Family A G protein-coupled receptor	0.0	1 / 0
Sodium/glucose cotransporter 2	SLC5A2	P31639	CHEMBL3884	Electrochemical transporter	0.0	4 / 0
Matrix metalloproteinase 1	MMP1	P03956	CHEMBL332	Protease	0.0	3 / 7
NAALADase II	NAALAD2	Q9Y3Q0	CHEMBL2609	Protease	0.0	6 / 0
Aldo-keto-reductase family 1 member C3	AKR1C3	P42330	CHEMBL4681	Enzyme	0.0	3 / 13
Thymidylate synthase	TYMS	P04818	CHEMBL1952	Transferase	0.0	4 / 0
Matrix metalloproteinase 9	MMP9	P14780	CHEMBL321	Protease	0.0	1 / 4
Insulin-like growth factor binding protein 3	IGFBP3	P17936	CHEMBL3997	Secreted protein	0.0	6 / 0
HMG-CoA reductase (by homology)	HMGCR	P04035	CHEMBL402	Oxidoreductase	0.0	0 / 34
Monoamine oxidase B	MAOB	P27338	CHEMBL2039	Oxidoreductase	0.0	0 / 1
Histone deacetylase 3	HDAC3	O15379	CHEMBL1829	Eraser	0.0	1 / 0
Histone deacetylase 6	HDAC6	Q9UBN7	CHEMBL1865	Eraser	0.0	1 / 0
Histone deacetylase 2	HDAC2	Q92769	CHEMBL1937	Eraser	0.0	1 / 0
Vascular endothelial	KDR	P35968	CHEMBL279	Kinase	0.0	2 / 0

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growth factor receptor 2						
Histone deacetylase 1	HDAC1	Q13547	CHEMBL325	Eraser	0.0	1 / 0
G-protein coupled receptor 35	GPR35	Q9HC97	CHEMBL1293267	Family A G protein-coupled receptor	0.0	2 / 0