

IPi Accession No.	UniProt Accession No.	Gene Symbol	Protein Description	Peptide Sequence	Inclusion Status	Heavy Peptide Spike (fmol)	IPA for Neurological Disorder	GeneCard Rank [†]
IP00746356	P20475	NOS1	Nitric oxide synthase, brain	QPDGSLGDPANVFTEEVAK			No	224
IP00021000	P10451	SPP1	Osteopontin	AIPVAQDLNAPSDWDSR	**	125	Yes	819
IP00021000	P10451	SPP1	Osteopontin	YPDAAVATWLNFPDPSQK	*	125	Yes	819
IP00470427	D3K2X0	PARK2	Parkin variant SV5.9DEL	VTCGGGMLGCGVQRKTK			No	1
IP00470427	O60260	PARK2	Parkin protein 2, E3 ubiquitin protein ligase (parkin)	FNSSHGPFVVEVSDSITSIQFLK			No	1
IP00219703	P20472	PVALB	Parvalbumin alpha	SGFIEEDLGFLLK	*	12500	No	84
IP00027350	P32119	PEROXD2	Peroxisidoxin-2	EGGLGPLNPLLADVTR	*	12500	Yes	569
IP00027350	P32119	PEROXD2	Peroxisidoxin-2	ATAVVVDGAFK	**	125	Yes	569
IP00219446	P30086	PEBP1	Phosphatidylethanolamine-binding protein 1	NRPTSSWDLDSGK	*	125	Yes	
IP00219446	P30086	PEBP1	Phosphatidylethanolamine-binding protein 1	LYTLVLTDPDAPSRK	**	125	Yes	
IP00177535	Q9NQ11	ATP13A2	Probable cation-transporting ATPase 13A2	DTVEGLSLLLGLVMR			No	6
IP00177535	Q9NQ11	ATP13A2	Probable cation-transporting ATPase 13A2	SQAAGVAVPEGAWK			No	6
IP00000828	P01210	PENK	Proenkephalin-A	LVRPADINFLACVMECEGK			Yes	77
IP00000828	P01210	PENK	Proenkephalin-A	FAELASDEEGESYSK			Yes	77
IP00000832	P01213	PDYN	Proenkephalin-B	SVGEGPYSELAQ	*	125	No	82
IP00020557	Q07954	LRP1	Protein density lipoprotein receptor-related protein 1	SERPPFEIR	**	125	Yes	792
IP00020557	Q07954	LRP1	Protein density lipoprotein receptor-related protein 1	AALSGANVLTLEK	**	125	Yes	792
IP00020557	Q07954	LRP1	Protein density lipoprotein receptor-related protein 1	ILGASADSEGVAAAPR	**	125	Yes	792
IP00002280	Q9UHG2	PCSK1N	ProSAAS	LDPAALAAQLVPAFPVPAALR	*	125	Yes	299
IP00002280	Q9UHG2	PCSK1N	ProSAAS	TVVGSADLFYVWR	**	125	Yes	299
IP00006166	O15354	GPR37	Prostaglandin G/EP synthase 3	GNPTALQLFLQISEEKEGPR	**	125	No	62
IP00006166	O15354	GPR37	Prostaglandin G/EP synthase 3	TMLLQPGASLGSYSYR	*	1.25	Yes	62
IP00013179	P41222	PTGDS	Prostaglandin-H2 D-isomerase	AQGTEDTIVFLPQTDK	*	1.25	Yes	1153
IP00013179	P41222	PTGDS	Prostaglandin-H2 D-isomerase	DVVICDASLEDAK	*	1.25	Yes	1153
IP00298547	Q99497	PARK7	Protein DJ-1	GAEMETVIVPDMVR	*	125	Yes	3
IP00298547	Q99497	PARK7	Protein DJ-1	NGDGEVSEEFQVLVK	*	125	Yes	3
IP00303002	P29377	S100G	Protein S100-G	TPAQYDASELK	*	125	No	119
IP00334627	AGNMY6	ANXA2P2	Putative annexin A2-like protein	GVDEVTVNIVTNR	*	125	Yes	
IP00334627	AGNMY6	ANXA2P2	Putative annexin A2-like protein	FSYSDSISIVYAK	*	125	Yes	
IP00241562	P78509	RELN	Reelin	VPSLVSVVINEPLOTATK	*	125	Yes	
IP00241562	P78509	RELN	Reelin	GEAGAPVEDIQGPTK	*	125	Yes	624
IP00006601	P05060	CHGB	Secretogranin-1	GYPGVQAPDELEWER	*	125	Yes	624
IP00006601	P05060	CHGB	Secretogranin-1	EPLPTLPLGR	*	125	No	66
IP00001663	O43464	HTRA2	Serine protease HTRA2, mitochondrial	DYELLCLGTR	*	125	Yes	726
IP00022463	P02787	TF	Serotransferrin	SAGWNIPQLLYCDLPEPR	*	125	Yes	726
IP00022463	P02787	TF	Serotransferrin	GGTWELQAPAFYTGGEK	*	125	Yes	662
IP00022463	P02787	TF	Serotransferrin	SDDFGQTWIMIQEHVK	*	125	Yes	662
IP00022608	Q92673	SORL1	Sortilin-related receptor	SHPTCTDEVIQFPLR	*	125	Yes	
IP00022608	Q92673	SORL1	Sortilin-related receptor	LLAGDIPIDLLK	*	125	Yes	
IP00296777	Q14515	SPARCL1	SPARC-like protein 1	VEGDDPDEYKGTISYR	*	125	Yes	
IP00296777	Q14515	SPARCL1	SPARC-like protein 1	AAPSAEFSVDR	*	125	Yes	
IP00171473	Q9HCB6	SPON1	Spondin-1	GDVTAQIALQPAK	*	125	Yes	90
IP00171473	Q9HCB6	SPON1	Spondin-1	HHAAYVNNLNVTTEK	*	12500	Yes	90
IP00171473	Q9HCB6	SPON1	Spondin-1	LLLENVGVGLLFASK	*	12500	No	109
IP00022314	P04179	SOD2	Superoxide dismutase [Mn], mitochondrial	GSPAINVAHVYR	*	1.25	Yes	252
IP00022314	P04179	SOD2	Superoxide dismutase [Mn], mitochondrial	KAADDTWEPFASGK	*	1.25	Yes	252
IP00022314	P04179	SOD2	Superoxide dismutase [Mn], mitochondrial	QDILDDSGVVSAYK	*	125	No	111
IP00016759	Q05940	SLC18A2	Synaptic vesicular amine transporter	NEAQAAHDVAQEGQQR	*	12500	No	8
IP00022432	P02766	TTR	Transferrin	LGVAGQWR	*	1.25	Yes	56
IP00022432	P02766	TTR	Transferrin	ESTLHLVLR	*	1.25	Yes	56
IP00306413	Q9BW30	PPP3	Tubulin polymerization-promoting protein family member 3	TTLEVEPDSITENVK	**	125	No	56
IP00018352	P09936	UCHL1	Ubiquitin carboxyl-terminal hydrolase isozyme L1	LATVGELOAAWR	*	125	Yes	660
IP00018352	P09936	UCHL1	Ubiquitin carboxyl-terminal hydrolase isozyme L1	LQGAHLTSLSHHEEQMFVNR	*	125	Yes	660
IP00179330	P62979	RPS27A	Ubiquitin-40S ribosomal protein S27a	GYQDASTKIR	*	125	No	45
IP00179330	P62979	RPS27A	Ubiquitin-40S ribosomal protein S27a					
IP00009802	P13611	VCAN	Versican core protein					
IP00009802	P13611	VCAN	Versican core protein					
IP00009802	P13611	VCAN	Versican core protein					
IP00000012	B4DGLU0	SLC30A10	Zinc transporter 10					

* Included in the optimized 126-plex SRM assay tested in the Training set.

** Included in 17-plex SRM assay tested in the Validation set.

† Whether proteins are involved in pathways affected in "Neurological Disorders" based on Ingenuity Pathway Analysis (IPA). *** Known to be implied in PD and neurodegeneration based on literature search.

‡ Rank of PD relevance of 1,419 proteins based on search on geneCards.org with a keyword of "Parkinson disease" (conducted in April 2013).