



NULISAseq™ CNS Disease Panel 120 - Target List

Uniprot ID	Gene	Full Gene Name	Protein Name	Common Name
P05067-38	Abeta38	Amyloid Beta Precursor Protein	Amyloid-beta precursor protein	ab38
P05067-40	Abeta40	Amyloid Beta Precursor Protein	Amyloid-beta precursor protein	ab40
P05067-42	Abeta42	Amyloid Beta Precursor Protein	Amyloid-beta precursor protein	ab42
P22303	ACHE	Acetylcholinesterase (Cartwright Blood Group)	Acetylcholinesterase	ACHE
O00468	AGRN	Agrin	Agrin	AGRN
P08758	ANXA5	Annexin A5	Annexin A5	ANXA5
P15289	ARSA	Arylsulfatase A	Arylsulfatase A	ARSA
P56817	BACE1	Beta-Secretase 1	Beta-secretase 1	BACE1
P80723	BASP1	Brain Abundant Membrane Attached Signal Protein 1	Brain acid soluble protein 1	BASP1
P23560	BDNF	Brain Derived Neurotrophic Factor	Brain-derived neurotrophic factor	BDNF
P22676	CALB2	Calbindin 2	Calretinin	CALB2
P51671	CCL11	C-C Motif Chemokine Ligand 11	Eotaxin	Eotaxin
Q99616	CCL13	C-C Motif Chemokine Ligand 13	C-C motif chemokine 13	MCP4
Q92583	CCL17	C-C Motif Chemokine Ligand 17	C-C motif chemokine 17	TARC/CCL17
P13500	CCL2	C-C Motif Chemokine Ligand 2	C-C motif chemokine 2	MCP1
O00626	CCL22	C-C Motif Chemokine Ligand 22	C-C motif chemokine 22	MDC
Q9Y258	CCL26	C-C Motif Chemokine Ligand 26	C-C motif chemokine 26	Eotaxin-3
P10147	CCL3	C-C Motif Chemokine Ligand 3	C-C motif chemokine 3	MIP1a/CCL3
P13236	CCL4	C-C Motif Chemokine Ligand 4	C-C motif chemokine 4	Mip1b/CCL4
P29965	CD40LG	CD40 Ligand	CD40 ligand	CD40L/TNFSF5
P08962	CD63	CD63 Molecule	CD63 antigen	CD63
P36222	CHI3L1	Chitinase 3 Like 1	Chitinase-3-like protein 1	YKL40
Q13231	CHIT1	Chitinase 1	Chitotriosidase-1	CHIT1
Q02246	CNTN2	Contactin 2	Contactin-2	CNTN2
P06850	CRH	Corticotropin Releasing Hormone	Corticoliberin	CRH
P02741	CRP	C-Reactive Protein	C-reactive protein	CRP
P04141	CSF2	Colony Stimulating Factor 2	Granulocyte-macrophage colony-stimulating factor	GM-CSF

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P01034	CST3	Cystatin 3	Cystatin-C	CST3
P78423	CX3CL1	C-X3-C Motif Chemokine Ligand 1	Fractalkine	CX3CL1/Fractal-kine
P09341	CXCL1	C-X-C Motif Chemokine Ligand 1	Growth-regulated alpha protein	CXCL1/GROa
P02778	CXCL10	C-X-C Motif Chemokine Ligand 10	C-X-C motif chemokine 10	IP-10
P10145	CXCL8	C-X-C Motif Chemokine Ligand 8	Interleukin-8	IL8
P09104	ENO2	Enolase 2	Gamma-enolase	ENO2
P05413	FABP3	Fatty Acid Binding Protein 3	Fatty acid-binding protein, heart	FABP3
Q15485	FCN2	Ficolin 2	Ficolin-2	FCN2
P09038	FGF2	Fibroblast Growth Factor 2	Fibroblast growth factor 2	FGF basic
P17948	FLT1	Fms Related Receptor Tyrosine Kinase 1	Vascular endothelial growth factor receptor 1	VEGF R1
P15328	FOLR1	Folate Receptor Alpha	Folate receptor alpha	FOLR1
P17677	GAP43	Growth Associated Protein 43	Neuromodulin	GAP43
P31150	GDI1	Rab GDP Dissociation Inhibitor Alpha	Rab GDP dissociation inhibitor alpha	GDI1
P39905	GDNF	Glial Cell Derived Neurotrophic Factor	Glial cell line-derived neurotrophic factor	GDNF
P14136	GFAP	Glial Fibrillary Acidic Protein	Glial fibrillary acidic protein	GFAP
P17174	GOT1	Glutamic-Oxaloacetic Transaminase 1	Aspartate aminotransferase, cytoplasmic	GOT1
P69905	HBA1 HBA2	Hemoglobin Subunit Alpha 1	Hemoglobin subunit alpha 1 Hemoglobin subunit alpha 2	HBA1;HBA2
P42858	HTT	Huntingtin	Huntingtin	HTT
P05362	ICAM1	Intercellular Adhesion Molecule 1	Intercellular adhesion molecule 1	ICAM1
P01579	IFNG	Interferon Gamma	Interferon gamma	IFN-gamma
P05019	IGF1	Insulin Like Growth Factor 1	Insulin-like growth factor 1	IGF1
Q16270	IGFBP7	Insulin Like Growth Factor Binding Protein 7	Insulin-like growth factor-binding protein 7	IGFBP7
P22301	IL10	Interleukin 10	Interleukin-10	IL-10
P29459 P29460	IL12A IL12B	Interleukin 12A Interleukin 12B	Interleukin 12A Interleukin 12B	IL-12p70
P35225	IL13	Interleukin 13	Interleukin-13	IL-13
P40933	IL15	Interleukin 15	Interleukin-15	IL-15
Q14005	IL16	Interleukin 16	Pro-interleukin-16	IL16
Q16552	IL17A	Interleukin 17A	Interleukin-17A	IL-17A

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Q14116	IL18	Interleukin 18	Interleukin-18	IL18
P01584	IL1B	Interleukin 1 Beta	Interleukin-1 beta	IL-1 beta
P60568	IL2	Interleukin 2	Interleukin-2	IL-2
O95760	IL33	Interleukin 33	Interleukin-33	IL-33
P05112	IL4	Interleukin 4	Interleukin-4	IL-4
P05113	IL5	Interleukin 5	Interleukin-5	IL5
P05231	IL6	Interleukin 6	Interleukin-6	IL-6
P08887	IL6R	Interleukin 6 Receptor	Interleukin-6 receptor subunit alpha	IL-6R a
P13232	IL7	Interleukin 7	Interleukin-7	IL-7
P15248	IL9	Interleukin 9	Interleukin-9	IL9
P35968	KDR	Kinase Insert Domain Receptor	Vascular endothelial growth factor receptor 2	VEGF R2
Q92876	KLK6	Kallikrein Related Peptidase 6	Kallikrein-6	KLK6
P40925	MDH1	Malate Dehydrogenase 1	Malate dehydrogenase, cytoplasmic	MDH1
P08473	MME	Membrane Metalloendopeptidase	Nepriylsin	MME
Q13421	MSLN	Mesothelin	Mesothelin	MSLN
P13591	NCAM1	Neural Cell Adhesion Molecule 1	Neural cell adhesion molecule 1	NCAM1
P12036	NEFH	Neurofilament Heavy Chain	Neurofilament heavy polypeptide	NEFH
P07196	NEFL	Neurofilament Light Chain	Neurofilament light polypeptide	NEFL
P01138	NGF	Nerve Growth Factor	Beta-nerve growth factor	NGF
Q15818	NPTX1	Neuronal Pentraxin 1	Neuronal pentraxin-1	NPTX1
P47972	NPTX2	Neuronal Pentraxin 2	Neuronal pentraxin-2	NPTX2
O95502	NPTXR	Neuronal Pentraxin Receptor	Neuronal pentraxin receptor	NPTXR
P01303	NPY	Neuropeptide Y	Pro-neuropeptide Y	NPY
Q92686	NRGN	Neurogranin	Neurogranin	NRGN
Q99497	PARK7	Parkinsonism Associated Deglycase	Parkinson disease protein 7	PARK7
P09619	PDGFRB	Platelet Derived Growth Factor Receptor Beta	Platelet-derived growth factor receptor beta	PDGFRB
Q96HC4	PDLIM5	PDZ And LIM Domain 5	PDZ and LIM domain protein 5	PDLIM5
P49763	PGF	Placental Growth Factor	Placenta growth factor	PLGF
P00558	PGK1	Phosphoglycerate Kinase 1	Phosphoglycerate kinase 1	PGK1
Q15063	POSTN	Periostin	Periostin	POSTN

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P30041	PRDX6	Peroxiredoxin 6	Peroxiredoxin-6	PRDX6
P49768	PSEN1	Presenilin 1	Presenilin-1	PSEN1
P10636-181	pTau181	Microtubule Associated Protein Tau	Microtubule-associated protein tau	pTau181
P10636-217	pTau217	Microtubule Associated Protein Tau	Microtubule-associated protein tau	pTau217
P10636-231	pTau231	Microtubule Associated Protein Tau	Microtubule-associated protein tau	pTau231
P21246	PTN	Pleiotrophin	Pleiotrophin	PTN
Q13127	REST	RE1 Silencing Transcription Factor	RE1-silencing transcription factor	REST
Q9Y230	RUVBL2	RuvB Like AAA ATPase 2	RuvB-like 2	RUVBL2
P80511	S100A12	S100 Calcium Binding Protein A12	Protein S100-A12	S100A12
P04271	S100B	S100 Calcium Binding Protein B	Protein S100-B	S100B
P0DJ18	SAA1	Serum Amyloid A1	Serum amyloid A-1 protein	SAA1
Q8N474	SFRP1	Secreted Frizzled Related Protein 1	Secreted frizzled-related protein 1	SFRP1
P35247	SFTPD	Pulmonary Surfactant-Associated Protein	Pulmonary surfactant-associated protein D	SFTPD
O94813	SLIT2	Slit Guidance Ligand 2	Slit homolog 2 protein	SLIT2
P60880	SNAP25	Synaptosome Associated Protein 25	Synaptosomal-associated protein 25	SNAP25
P37840agg	SNCA	Synuclein Alpha	Alpha-synuclein	SNCAagg
P37840mono	SNCA	Synuclein Alpha	Alpha-synuclein	SNCAmono
P00441	SOD1	Superoxide Dismutase 1	Superoxide dismutase [Cu-Zn]	SOD1
Q13501	SQSTM1	Sequestosome 1	Sequestosome-1	SQSTM1
Q7Z5A7	TAFA5	TAFA Chemokine Family Member 5	Chemokine-like protein TAFA-5	TAFA5
Q13148-409	TARDBP	TAR DNA Binding Protein	TDP-43 with phosphorylation on serine 409	p-TARDBP-409
Q13148	TARDBP	TAR DNA Binding Protein	TAR DNA-binding protein 43	TDP43
Q02763	TEK	TEK Receptor Tyrosine Kinase	Angiopoietin-1 receptor	Tie-2/TEK
P35625	TIMP3	TIMP Metalloproteinase Inhibitor 3	Metalloproteinase inhibitor 3	TIMP3
P01375	TNF	Tumor Necrosis Factor	Tumor necrosis factor	TNF-a
Q9NP99	TREM1	Triggering Receptor Expressed On Myeloid Cells 1	Triggering Receptor Expressed On Myeloid Cells	sTREM1
Q9NZC2	TREM2	Triggering Receptor Expressed on Myeloid Cells 2	Triggering receptor expressed on myeloid cells 2	TREM2
P10636	tTau	Microtubule Associated Protein Tau	Microtubule-associated protein tau	tTau

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P09936	UCHL1	Ubiquitin C-Terminal Hydrolase L1	Ubiquitin C-terminal hydrolase L1	UCHL1
P19320	VCAM1	Vascular Cell Adhesion Molecule 1	Vascular cell adhesion protein 1	VCAM1/CD106
P15692	VEGFA	Vascular Endothelial Growth Factor A	Vascular endothelial growth factor A	VEGF-A
O43915	VEGFD	Vascular Endothelial Growth Factor D	Vascular endothelial growth factor D	VEGF-D
P62760	VSNL1	Visinin Like 1	Visinin-like protein 1	VILIP-1
P63104	YWHAZ	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation	14-3-3 protein zeta/delta	YWHAZ