

Recombinant Full Length Human NPTX2 Protein, C-Flag-tagged

Cat. No. NPTX2-705HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NPTX2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the family of neuronal petraxins, synaptic proteins that are related to C-reactive protein. This protein is involved in excitatory synapse formation. It also plays a role in clustering of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionic acid (AMPA)-type glutamate receptors at established synapses, resulting in non-apoptotic cell death of dopaminergic nerve cells. Up-regulation of this gene in Parkinson disease (PD) tissues suggests that the protein may be involved in the pathology of PD.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.9 kDa
AA Sequence	MLALLAASVALAVAAGAQDSPAPGSRFVCTALPPEAVHAGCPLPAMPMQGGAQSP EEELRAAVLQLRETV VQQKETLGAQREAIKELTGKLARCEGLAGGKARGAGATGKD TMGDLPRDPGHVVEQLSRSLQTLKDRLES LEHQLRANVSNAGLPGDFREVLQQRL GELERQLLRKVAELEDEKSLHNETSAHRQKTESTLNALLQRVT ELERGNSAFKSP DAFKVSLPLRTNYLYGKIKKTLPELYAFTICLWLRSSASPGIGTPFSYAVPGQANEIV L

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IEWGNNPIELLINDKVAQLPLFVSDGKWHHICVTWTTTRDGMWEAFQDGEKLGTTGEN
LAPWHPIKPGGVIL ILGQEQDTVGGRFDATQAFVGELSQQFNIWDRVLRAQEIVNIANC
STNMPGNIIPWVDNNVDVFGGASKWP
VETCEERLLDLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

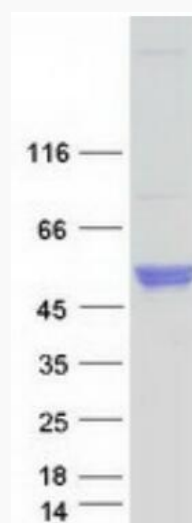
Gene Name	NPTX2 neuronal pentraxin 2 [Homo sapiens (human)]
Official Symbol	NPTX2
Synonyms	NP2; NARP; NP-II
Gene ID	4885

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mRNA Refseq	NM_002523.3
Protein Refseq	NP_002514.1
MIM	600750
UniProt ID	P47972



Coomassie blue staining of purified NPTX2 protein.

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