

Recombinant Human NPTX2 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. NPTX2-062H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NPTX2 MS Standard C13 and N15-labeled recombinant protein (NP_002514) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	46.9 kDa
AA Sequence	MLALLAASVALAVAAGAQDSPAPGSRFVCTALPPEAVHAGCPLPAMPMQGGGAQSP EEELRAAVLQLRETVVQQKETLGAQREAIRELTKGLARCEGLAGGKARGAGATGKD TMGDLPRDPGHVVEQLSRSLQTLKDRLESLEHQLRANVSNAAGLPGDFREVLQQRL GELERQLLRKVAELEDEKSLHNETSAHRQKTESTLNALLQRVTELERGNSAFKSPD AFKVSLPLRTNYLYGKIKKTLPELYAFTICLWLRSSASPGIGTPFSYAVPGQANEIVLIE WGNNPIELLINDKVAQLPLFVSDGKWHHICVTWTTTRDGMWEAFQDGEKLGTTGENLA

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PWHPIKPGGVLLLGQEQDTVGGRFDATQAFVGELSQFNIWDRVLRAQEIVNIANCST
NMPGNIIPWVDNNVDVFGGASKWPVETCEERLLDLTRTRPLEQKLISEEDLAANDIL
DYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NPTX2 neuronal pentraxin 2 [Homo sapiens (human)]

Official Symbol NPTX2

Synonyms NPTX2; neuronal pentraxin 2; NARP; NP-II; NP2; neuronal pentraxin-2; apexin; neuronal activity-regulated pentaxin; neuronal pentraxin II

Gene ID 4885

mRNA Refseq NM_002523

Protein Refseq NP_002514

MIM 600750

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