

## Product datasheet for **TP306713M**

### **NPTX2 (NM\_002523) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human neuronal pentraxin II (NPTX2), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC206713 representing NM_002523 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MLALLAASVALAVAAGAQDSPAPGSRFVCTALPPEAVHAGCPLPAMPMQGGAQSPEEELRAAVLQLRETV  
VQQKETLGAQREAIRELTGKLARCEGLAGGKARGAGATGKDTMGDLPRDPGHVWEQLSRSLQTLKDRLES  
LEHQLRANVSNAGLPGDFREVLQQLGELERQLLRKVAELEDKSLHNETSahrQKTESTLNALLQRVT  
ELERGNsAFKSPDAFKVSLPLRTNYLYGKIKKTLPELYAFTICLWLRSSASPGIGTSPFSYAVPGQANEIV  
LIEWGNNPIELLINDKVAQLPLFVSDGKWHHCVTWTRDGMWEAFQDGEKLTGENLAPWHPIKPGGVV  
ILGQEQDTVGGRFDATQAFVGEISQFNIWDRVLRAQEIVNIANCSTNMPGNIIPWVDNNDVDFGGASKWP  
VETCEERLLDL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	46.9 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_002514</a></u>



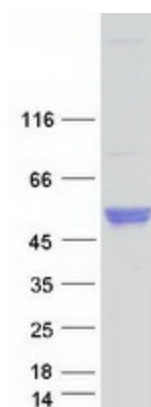
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Locus ID: 4885  
UniProt ID: [P47972](#)  
RefSeq Size: 2746  
Cytogenetics: 7q22.1  
RefSeq ORF: 1293  
Synonyms: NARP; NP-II; NP2

**Summary:** 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-isoxazolepropionic 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. [provided by RefSeq, Feb 2009]

**Protein Families:** Secreted Protein

### Product images:



Coomassie blue staining of purified NPTX2 protein (Cat# [TP306713]). The protein was produced from HEK293T cells transfected with NPTX2 cDNA clone (Cat# [RC206713]) using MegaTran 2.0 (Cat# [TT210002]).