OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP306713L

NPTX2 (NM_002523) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human neuronal pentraxin II (NPTX2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206713 representing NM_002523 Red=Cloning site Green=Tags(s) MLALLAASVALAVAAGAQDSPAPGSRFVCTALPPEAVHAGCPLPAMPMQGGAQSPEEELRAAVLQLRETV VQQKETLGAQREAIRELTGKLARCEGLAGGKARGAGATGKDTMGDLPRDPGHVVEQLSRSLQTLKDRLES LEHQLRANVSNAGLPGDFREVLQQRLGELERQLLRKVAELEDEKSLLHNETSAHRQKTESTLNALLQRVT ELERGNSAFKSPDAFKVSLPLRTNYLYGKIKKTLPELYAFTICLWLRSSASPGIGTPFSYAVPGQANEIV LIEWGNNPIELLINDKVAQLPLFVSDGKWHHICVTWTTRDGMWEAFQDGEKLGTGENLAPWHPIKPGGVL ILGQEQDTVGGRFDATQAFVGELSQFNIWDRVLRAQEIVNIANCSTNMPGNIIPWVDNNVDVFGGASKWP VETCEERLLDL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	46.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002514

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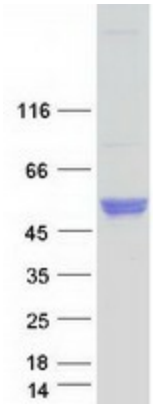
Locus ID:	4885
UniProt ID:	P47972
RefSeq Size:	2746
Cytogenetics:	7q22.1
RefSeq ORF:	1293
Synonyms:	NARP; NP-II; NP2
Summary:	This gene encodes a member of the family of neuronal petraxins, synaptic proteins that are related to C-reactive protein. This protein is involved in excitatory synapse formation. 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]).