

# Recombinant Full Length Human NPTX2 Protein, GST-tagged

Cat. No. NPTX2-6652HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human NPTX2 full-length ORF ( NP_002514.1, 1 a.a. - 431 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	431 amino acids
<b>Description</b>	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. [provided by RefSeq]
<b>Molecular Mass</b>	73.4 kDa
<b>AA Sequence</b>	MLALLAASVALAVAAGAQDSPAPGSRFVCTALPPEAVHAGCPLPAMPMPQGGAQSP EEELRAAVLQLRETVVQQKETLGAQREAIRELTKLARCEGLAGGKARGAGATGKD TMGDLPRDPGHVVEQLSRSLQTLKDRLESLEHQLRANVSNAGLPGDFREVLQQRL GELERQLLRKVAELEDEKSLLNHNETSAHRQKTESTLNALLQRVTELERGNLSAFKSPD AFKVSLPLRTNYLYGKIKKTLPELYAFTICLWLRSSASPGIGTPFSYAVPGQANEIVLIE WGNNPIELLINDKVAQLPLFVSDGKWHHICVTWTTRDGMWEAFQDGEKLTGENLA

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PWHPIKPGGVLLILGQEQDTVGGRFDATQAFVGELSQFNIWDRVLRAQEIVNIANCST  
NMPGNIIPWVDNNVDVFGGASKWPVETCEERLLDL

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	NPTX2 neuronal pentraxin II [ Homo sapiens (human) ]
<b>Official Symbol</b>	NPTX2
<b>Synonyms</b>	NPTX2; NP2; NARP; NP-II; neuronal pentraxin II; neuronal pentraxin-2; apexin; neuronal activity-regulated pentaxin
<b>Gene ID</b>	4885
<b>mRNA Refseq</b>	NM_002523
<b>Protein Refseq</b>	NP_002514
<b>MIM</b>	600750

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UniProt ID

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