Recombinant Human NPTX2 Protein, GST-tagged

Cat. No. NPTX2-6051H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NPTX2 full-length ORF (NP_002514.1, 1 a.a. - 431 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the family of neuronal petraxins, synaptic proteins th at are related to C-reactive protein. This protein is involved in excitatory synapse form ation. 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 Par kinson disease (PD) tissues suggests that the protein may be involved in the patholog y of PD. [provided by RefSeq
Molecular Mass	73.4 kDa
AA Sequence	MLALLAASVALAVAAGAQDSPAPGSRFVCTALPPEAVHAGCPLPAMPMQGGAQSP EEELRAAVLQLRETVVQQKETLGAQREAIRELTGKLARCEGLAGGKARGAGATGKD TMGDLPRDPGHVVEQLSRSLQTLKDRLESLEHQLRANVSNAGLPGDFREVLQQRL GELERQLLRKVAELEDEKSLLHNETSAHRQKTESTLNALLQRVTELERGNSAFKSPD AFKVSLPLRTNYLYGKIKKTLPELYAFTICLWLRSSASPGIGTPFSYAVPGQANEIVLIE WGNNPIELLINDKVAQLPLFVSDGKWHHICVTWTTRDGMWEAFQDGEKLGTGENLA PWHPIKPGGVLILGQEQDTVGGRFDATQAFVGELSQFNIWDRVLRAQEIVNIANCST

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

GENE INFORMATION

Gene Name	NPTX2 neuronal pentraxin II [Homo sapiens (human)]
Official Symbol	NPTX2
Synonyms	NPTX2; NP2; NARP; NP-II; neuronal pentraxin II; neuronal pentraxin-2; apexin; neuronal activity-regulated pentaxin
Gene ID	4885
mRNA Refseq	NM_002523
Protein Refseq	NP_002514
MIM	600750
UniProt ID	P47972

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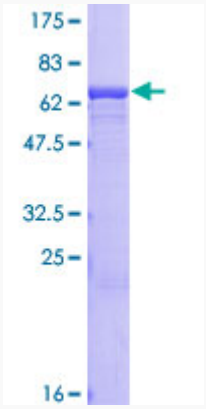
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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