

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 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]

Molecular Mass 73.4 kDa

AA Sequence

```
MLALLAASVALAVAAGAQDSPAPGSRFVCTALPPEAVHAGCPLPAMPMQGGGAQSP
EEELRAAVLQLRETVVQQKETLGAQREAIRELTKLARCEGLAGGKARGAGATGKD
TMGDLPRDPGHVVEQLSRSLQTLKDRLESLEHQLRANVSNAGLPGDFREVLQQRL
GELERQLLRKVAELEDEKSLLNHNETSAHRQKTESTLNALLQRVTELERGNSAFKSPD
AFKVSLPLRTNYLYGKIKKTLPELYAFTICLWLRSSASPGIGTPFSYAVPGQANEIVLIE
WGNNPIELLINDKVAQLPLFVSDGKWHHICVTWTRDGMWEAFQDGEKLGTTGENLA
PWHPIKPGGVLLIGQEQDTVGGFRDATQAFVGEISQFNIWDRVLRQEIVNIANCST
```

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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-HCl, 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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