



# Recombinant Human Neuronal pentraxin-2 (NPTX2)

<b>Product Code</b>	CSB-BP016030HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P47972
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GAQDS PAPGSRFVCT ALPPEAVHAG CPLPAMPMQG GAQSPEEELR AAVLQLRETV VQQKETLGAQ REAIRELTGK LARCEGLAGG KARGAGATGK DTMGDLPRDP GHVVEQLSRS LQTLKDRLES LEHQLRANVS NAGLPGDFRE VLQQRLEGELE RQLLRKVAEL EDEKSLHNE TSAHRQKTES TLNALLQRVT ELERGNSAFK SPDAFKVSLP LRTNYLYGKI KKTLPELYAF TICLWLRSSA SPGIGTPFSY AVPGQANEIV LIEWGNNPIE LLINDKVAQL PLFVSDGKWH HICVTWTRD GMWEAFQDGE KLGTGENLAP WHPIKPGGVL ILGQEQDTV GRFDATQAFV GELSQFNIWD RVLRAQEIVN IANCSTNMPG NIIPWVDNNV DVFGGASKWP VETCEERLLD L
<b>Source</b>	Baculovirus
<b>Target Names</b>	NPTX2
<b>Protein Names</b>	Recommended name: Neuronal pentraxin-2 Short name= NP2 Alternative name(s): Neuronal pentraxin II Short name= NP-II
<b>Expression Region</b>	16-431
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</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-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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.