

PRODUCT INFORMATION

Target	NPTX2
Synonyms	NP2; NARP; NP-II
Description	Recombinant human NPTX2 Protein with C-terminal 10×His tag
Delivery	In Stock
Uniprot ID	P47972
Expression Host	HEK293
Tag	C-10×His tag
Molecular Characterization	NPTX2(Gly16-Leu431) 10×His tag
Molecular Weight	The protein has a predicted molecular mass of 47.0 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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]
Usage	Research use only
Conjugate	Unconjugated



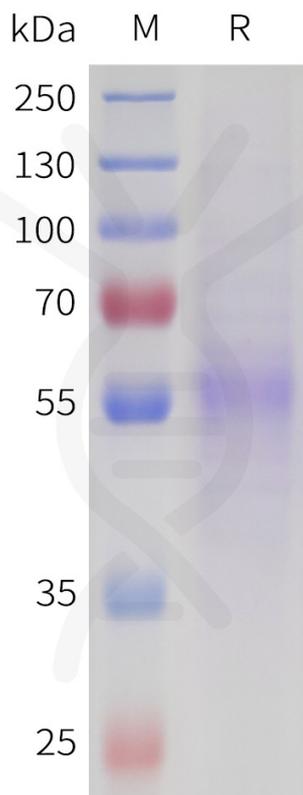


Figure 1. Human NPTX2 Protein, His Tag on SDS-PAGE under reducing condition.

