## PRODUCT INFORMATION

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|---|---|
| **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 |

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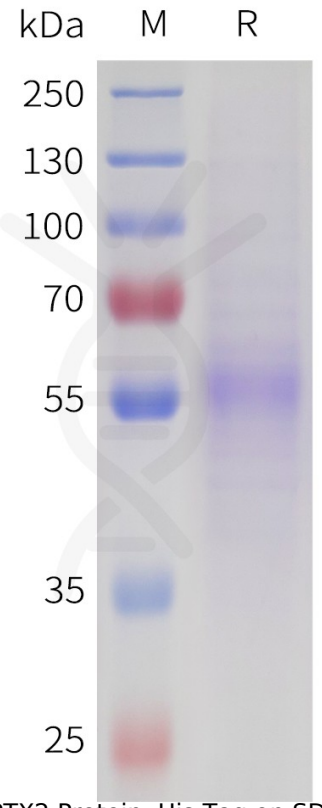



Figure 1. Human NPTX2 Protein, His Tag on SDS-PAGE under reducing condition.

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