# Recombinant Rat Nptx2 Protein, His-tagged

**Cat. No.** Nptx2-2504R **Lot. No.** (See product label)

## SPECIFICATION

| | |
|---|---|
| **Product Overview** | Recombinant Rat Nptx2 Protein (Ile85-Ala326) with a N-His tag was expressed in E. coli. |
| **Species** | Rat |
| **Source** | E.coli |
| **ProteinLength** | Ile85-Ala326 |
| **Description** | Predicted to enable carbohydrate binding activity and metal ion binding activity. Involved in neurotransmitter receptor localization to postsynaptic specialization membrane. Is active in glutamatergic synapse. Is extrinsic component of postsynaptic specialization membrane. Orthologous to human NPTX2 (neuronal pentraxin 2). |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 30.8 kDa<br>Accurate Molecular Mass: 31 kDa |
| **Endotoxin** | <1.0 EU per 1μg (determined by the LAL method). |
| **Purity** | > 90% |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB. |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

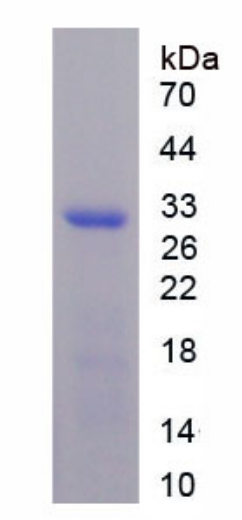
| | |
|---|---|
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| **Storage Buffer** | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| **Reconstitution** | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

## GENE INFORMATION

| | |
|---|---|
| **Gene Name** | Nptx2 neuronal pentraxin 2 [ Rattus norvegicus (Norway rat) ] |
| **Official Symbol** | Nptx2 |
| **Synonyms** | Nptx2; neuronal pentraxin 2; NP2; Narp; NP-II; neuronal pentraxin-2<br>Neuronal activity regulated pentraxin<br>neuro activity regulated petaxin<br>neuronal activity-regulated pentraxin<br>neuronal pentraxin II |
| **Gene ID** | 288475 |
| **mRNA Refseq** | NM_001034199 |
| **Protein Refseq** | NP_001029371 |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| **UniProt ID** | F1LR84 |




Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA