

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 Accurate Molecular Mass: 31 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 Neuronal activity regulated pentraxin neuro activity regulated petaxin neuronal activity-regulated pentraxin neuronal pentraxin II
Gene ID	288475
mRNA Refseq	NM_001034199
Protein Refseq	NP_001029371

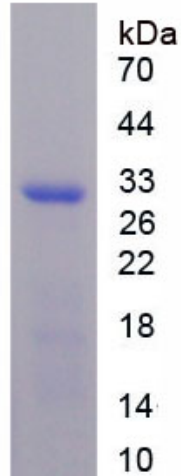
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UniProt ID

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