

For Research Use Only

Recombinant Human NPTXR protein (rFc Tag)



Catalog Number: Eg3109

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
C-rFc

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human NPTXR protein Ala24-Ala500 (Accession# P15144) with a rabbit IgG Fc tag at the C-terminus

GeneID:

23467

Accession:

O95502

Predicted Molecular Mass:

76.5 kDa

SDS-PAGE:

68-70 kDa & 85-95 kDa, reducing (R) condition

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

NPTXR, or neuronal pentraxin receptor, is a gene in humans that encodes a protein with a significant role in the nervous system. NPTXR is a synaptic proteins involved in the regulation of physiological processes of memory and other cognitive functions (PMID: 31415236, PMID: 27332958). Decreased CSF levels of NPTXR may be applied as biomarkers of early synaptic dysfunction in AD (PMID: 26136856).

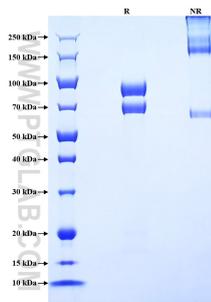
References

1. Lim B. et al. (2019). Clin Chem Lab Med. 57(12):1875-1881.
2. Lista S. et al. (2017). Expert Rev Neurother. 17(1):47-57.
3. Kvartsberg H. et al. Alzheimers Res Ther. 7(1):40.

Synonyms

NPTXR, Neuronal pentraxin receptor

Selected Validation Data



Purity of Recombinant Human NPTXR was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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