For Research Use Only

Recombinant Mouse Ngfr protein (rFc Tag)

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Catalog Number: Eg2651

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/μg protein, LAL method

Source:
HEK293-derived Mouse Ngfr protein Lys32-Asp252 (Accession# Q9Z0W1-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
18053

Accession:
Q9Z0W1-1

Predicted Molecular Mass:
49.1 kDa

SDS-PAGE:

Formulation:
Lyophilized from sterile 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

NGFR, also named as TNFRSF16, Gp80-LNGFR, p75 ICD and CD271, a member of the tumor necrosis factor superfamily. It is highly expressed in both neurons and glial cells during CNS development and after brain injury, whereas in normal adulthood, it is present only in specific brain regions such as neurons and astrocytes of hippocampal and especially in the cholinergic neurons of the basal forebrain. NGFR can mediate cell survival or cell death, can promote or inhibit axonal growth, and can facilitate or attenuate proliferation, depending on the cell context.

References

1.Cragnolini, Andrea B, and Wilma J Friedman. Trends in neurosciences vol. 31,2 (2008): 99-104.
2.Chen, Mingming et al. Cellular and molecular neurobiology vol. 42,4 (2022): 1153-1166.
3.Yang, Chun-Rui et al. FASEB journal vol. 36,3 (2022): e22180.
4.Ali, Naif H et al. Molecular neurobiology vol. 61,5 (2024): 2469-2480.
5.Xie, Bo et al. Frontiers in cell and developmental biology vol. 11 (2023): 1283878.

Synonyms

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data