

For Research Use Only

Recombinant Rat TrkA protein (rFc Tag) (HPLC verified)



Catalog Number: Eg3210

Basic Information

Species:
Rat

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Rat TrkA protein Ala33-Pro418 (Accession# P35739-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
59109

Accession:
P35739-1

Predicted Molecular Mass:
68.5 kDa

SDS-PAGE:
80-120 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm 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

TrkA belongs to the Trk receptor family, which plays a central role in a very broad range of cellular responses and is implicated in a spectrum of human pathologies, including Alzheimer's, Parkinson's diseases, pain, and notably cancer. TrkA in particular was first to be identified as a specific receptor for NGF and is activated upon NGF binding.

References

1. Zhao S, et al. (2020). Commun Biol. 3(1):706.
2. Kaplan DR, et al. (1991). Nature. 350:158-160.
3. Klein R, et al. (1991). Cell. 65:189-197.

Synonyms

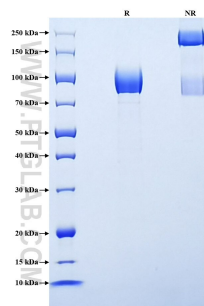
High affinity nerve growth factor receptor, Neurotrophic tyrosine kinase receptor type 1, Ntrk1, p140-TrkA, Slow nerve growth factor receptor

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

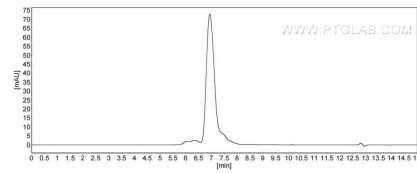
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Purity of Recombinant Rat TrkA 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.



The purity of Rat TrkA was greater than 90% as determined by SEC-HPLC.