

RP00288

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# Recombinant Human Trk-C/NTRK3 Protein

Catalog No.: RP00288

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	4916	Q16288

### Tags

C-hFc&His

### Synonyms

NTRK3;GP145-TrkC;TRKC;gp145(trkC)

## Background

NT-3 growth factor receptor also known as neurotrophic tyrosine kinase receptor type 3 or TrkC tyrosine kinase or Trk-C receptor, is a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation and may play a role in the development of proprioceptive neurons that sense body position. Mutations in TrkC encoding gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers.

## Basic Information

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

### Endotoxin

< 1.0 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

### Description

Recombinant Human Trk-C/NTRK3 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Cys32-Asp428) of human TrkC/NTRK3 (Accession #NP\_001012338.1) fused with an Fc, 6×His tag at the C-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human NTF3 at 2 μg/mL (100 μL/well) can bind Recombinant human TrkC with a linear range of 22-90 ng/mL.

### Storage

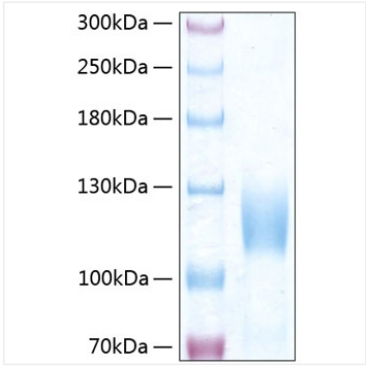
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

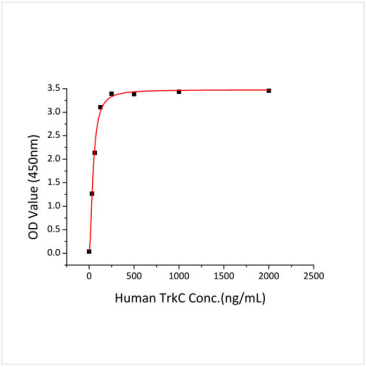


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# Validation Data



Recombinant Human Trk-C/NTRK3 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 120 kDa.



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