

Recombinant Human Trk-C/NTRK3 Protein

Catalog No.: RP00288

Sequence Information

Species	Gene ID
Human	4916
Swiss Prot	Tags
Q16288	C-hFc&His
Synonyms	
NTRK3,GP145-TrkC,TRKC,gp145 (trkC)	

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
71.41 kDa	110-130 kDa

Endotoxin
< 1 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.

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

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.

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.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

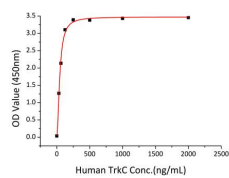
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

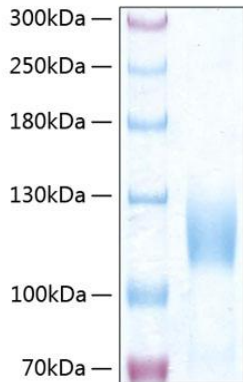
Contact

		400-999-6126
		cn.market@abclonal.com.cn
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Validation Data



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.



Recombinant Human Trk-C/NTRK3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.