Recombinant Human Trk-C/NTRK3 Protein

Catalog No.: RP00222

www.abclonal.com

Sequence Information

Species
Human

Gene ID
4916

Swiss Prot
Q16288

Tags
C-His

Synonyms
NTRK3,GP145-TrkC,TRKC,gp145 (trkC)

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
45.46 kDa

Observed MW
70-100 kDa

Endotoxin
< 0.1 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 stablizer (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 cells expression system. The target protein is expressed with sequence (Cys32-Asp428) of human TrkC/NTRK3 (Accession #NP_001012338.1) fused with a 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 231-925 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℃

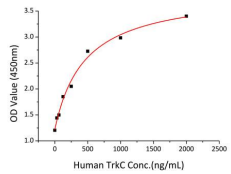
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

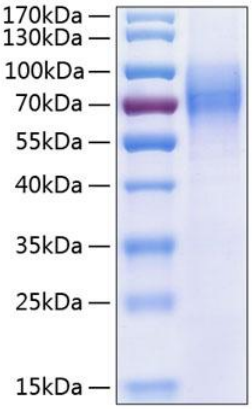
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Immobilized Recombinant Human NTF3, No Tag at 2 μg/mL (100 μL/well) can bind Recombinant human TrkC,His Tag with a linear range of 231-925 ng/mL.



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