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Datasheet for ABIN7520364  
**NTRK3 Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	NTRK3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This NTRK3 protein is labelled with His tag.

### Product Details

Purpose:	Active Recombinant Human Trk-C/NTRK3 Protein
Sequence:	CPANCVCSKT EINCRRPDDG NLFPLLEGQD SGNSNGNASI NITDISRNIT SIHIENWRSL HTLNAVDMEL YTGLQKLTIK NSGLRSIQPR AFAKNPHLRY INLSSNRLTT LSWQLFQTLS LRELQLEQNF FNCSCDIRWM QLWQEQGEAK LNSQNLICIN ADGSQLPLFR MNISQCIDLPE ISVSHVNLTV REGDNAVITC NGSGSPLPDV DWIVTGLQSI NTHQTNLNWT NVHAINLTLV NVTSEDNGFT LTCIAENVVG MSNASVALTV YPPRVVSLE EPELRLEHCI EFVVRGNPPP TLHWLHNGQP LRESKIIHVE YYQEGEISEG CLLFNKPTHY NNGNYTLIAK NPLGTANQTI NGHFLKEPFP ESTDNFILFD EVSPTPPITV THKPEED
Specificity:	Cys32-Asp428
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

## Product Details

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**Biological Activity Comment:** 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.

## Target Details

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**Target:** NTRK3

**Alternative Name:** Trk-C/NTRK3 ([NTRK3 Products](#))

**Background:** Description: 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.  
Name: NTRK3,GP145-TrkC,TRKC,gp145(trkC)

**Gene ID:** 4916

**UniProt:** [Q16288](#)

**Pathways:** [RTK Signaling](#), [Neurotrophin Signaling Pathway](#), [Regulation of Cell Size](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**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.

**Buffer:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

**Storage:** -20 °C,-80 °C

**Storage Comment:** Store the lyophilized protein at -20°C to -80 °C for long term.

## Handling

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After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.