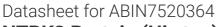
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## NTRK3 Protein (His tag)



#### 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 LNSQNLYCIN ADGSQLPLFR MNISQCDLPE
	ISVSHVNLTV REGDNAVITC NGSGSPLPDV DWIVTGLQSI NTHQTNLNWT NVHAINLTLV
	NVTSEDNGFT LTCIAENVVG MSNASVALTV YYPPRVVSLE 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**

Buffer:

Storage:

Storage Comment:

Biological Activity Comment:

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human NTF3 at  $2 \mu g/mL$  (100  $\mu L/well$ ) can bind Recombinant human TrkC with a linear range of 231-925 ng/mL.

Target Details	
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	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex 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.

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

Store the lyophilized protein at -20°C to -80 °C for long term.

-20 °C,-80 °C

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