

Datasheet for ABIN7320924
NTRK3 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	NTRK3
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NTRK3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse TrkC/Ntrk3 (C-6His)
Sequence:	Cys32-Thr429
Characteristics:	Recombinant Mouse NT-3 Growth Factor Receptor is produced by our Mammalian expression system and the target gene encoding Cys32-Thr429 is expressed with a 6His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NTRK3
Alternative Name:	TrkC/Ntrk3 (NTRK3 Products)
Background:	Background: Three Trk family proteins, TrkA, TrkB, and TrkC, exhibiting different ligand specificities, have been identified. TrkA binds NGF and NT-3, TrkB binds BDNF, NT-3 and NT-

Target Details

4/5, and TrkC only binds NT-3. The primary location of TrkC expression is in the nervous system and, specifically, in regions of the CNS. Low level TrkC expression has also been observed in a wide variety of tissues outside the nervous system. Receptor tyrosine kinase involved in nervous system and probably heart development. Upon binding of its ligand NTF3/neurotrophin-3, NTRK3 autophosphorylates and activates different signaling pathways, including the phosphatidylinositol 3-kinase/AKT and the MAPK pathways, that control cell survival and differentiation.

Synonym: GP145-TrkC, TrkC, trk-C, Neurotrophic tyrosine kinase receptor type 3, TrkC tyrosine kinase, NT-3 Growth Factor Receptor

Molecular Weight: 45.5 kDa

UniProt: [Q6VNS1](#)

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

Application Details

Restrictions: For Research Use only

Handling

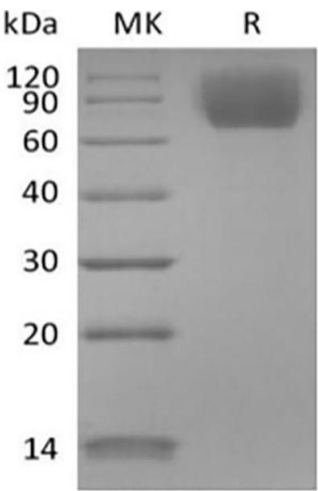
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.