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Datasheet for ABIN7320912

TRKB Protein (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	TRKB (NTRK2)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRKB protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Neurotrophic Tyrosine Kinase Receptor Type 2/TrkB/NTRK2 (C-6His)
Sequence:	Cys32-His429
Characteristics:	Recombinant Mouse Neurotrophic Tyrosine Kinase Receptor Type 2 is produced by our Mammalian expression system and the target gene encoding Cys32-His429 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:	TRKB (NTRK2)
Alternative Name:	Neurotrophic Tyrosine Kinase Receptor Type 2/TrkB/NTRK2 (NTRK2 Products)
Background:	Background: The TRK Family of Tyrosine Kinase Receptor consists of 3 members: TrkA, TrkB and TrkC. The three TRK family proteins have different ligand specificities. They connect to

Target Details

different neurotrophins, including NGF, BDNF, NT-3/NT-4/5. TRKA binds NGF, TRKB binds BDNF and NT-3, TRKC binds NT-4/5. At the protein sequence level, human and rat TRKB have greater than 90 % sequence identity and the proteins exhibit cross-species activity. TRKB is primarily expressed in the nervous system and it also expression in a wide variety of tissues with low levels.

Synonym: BDNF/NT-3 Growth Factors Receptor, GP145-TrkB, Trk-B, Neurotrophic Tyrosine Kinase Receptor Type 2, TrkB Tyrosine Kinase, Tropomyosin-Related Kinase B, NTRK2, TRKB

Molecular Weight: 45.3 kDa

UniProt: [P15209](#)

Pathways: [RTK Signaling](#), [Neurotrophin Signaling Pathway](#), [cAMP Metabolic Process](#), [Skeletal Muscle Fiber Development](#), [Feeding Behaviour](#), [Dicarboxylic Acid Transport](#)

Application Details

Restrictions: For Research Use only

Handling

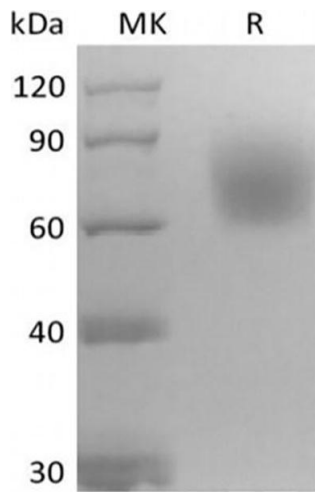
Format: Lyophilized

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.