

Recombinant Human TrkB/NTRK2 Protein (His Tag)

Catalog Number:PKSH033579



Note: Centrifuge before opening to ensure complete recovery of vial contents.

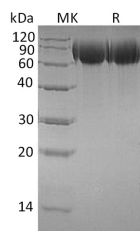
Description

Synonyms	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
Species	Human
Expression Host	HEK293 Cells
Sequence	Cys32-His430
Accession	Q16620
Calculated Molecular Weight	45.3 kDa
Observed molecular weight	60-105 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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 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.

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