

Recombinant Mouse Neurotrophic Tyrosine Kinase Receptor Type 2/TrkB/NTRK2 (C-6His)

Catalog No. PKSM041430

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

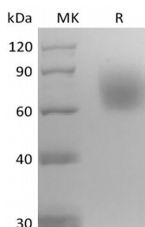
Description

| | |
|------------------------------------|--|
| 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 | Mouse |
| Expression Host | HEK293 Cells |
| Sequence | Cys32-His429 |
| Accession | P15209 |
| Calculated Molecular Weight | 45.3 kDa |
| Observed molecular weight | 60-90 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 PBS, pH 7.4. 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

For Research Use Only

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.

For Research Use Only