

## 32-7459: Recombinant Human Neurotrophic Tyrosine Kinase Receptor Type 2/TrkB/NTRK2 (C-6His)

**Gene :** NTRK2  
**Gene ID :** 4915  
**Uniprot ID :** Q16620

### Description

Source: Human Cells.

MW :45.25kD.

Recombinant Human TrkB is produced by our Mammalian expression system and the target gene encoding Cys32-His430 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** CPTSCCKCSASRIWCSDPSPGIVAFPRLEPNSVDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTIVDSGLKFVAH  
KAFLLKNSNLQHINFTRNKLTSLSRKHFRHLDLSELILVGNPFTCSDDIMWIKTLQEAKSSPDTQDLYCLNESSKNI  
PLANLQIPNCGLPSANLAAPNLTVEEGKSITLSCSVAGDPVPMYWDVGNLVSXHMNETSHTQGLRITNISSD  
DSGKQISCVAENLVGEDQDSVNLTVHFAPTITFLESPTSDDHHCIPFTVKGPNPKPALQWFYNGAILNESKYICTK  
IHVTNHTEYHGCLQLDNPTHMNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYEDYGTAAAND  
IGDTTNRSEIPSTDVTDKGTGREHVDHHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.