

## 32-6511: NTRK2 Human

**Alternative Name :** GP145-TrkB, trk-B, TRKB, NTRK2

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Neurotrophic Receptor Tyrosine Kinase 2, also referred to NTRK2, is a tyrosine-protein kinase receptor which takes part in the development & the maturation of the central and the peripheral nervous systems through regulation of neuron survival, migration, proliferation, differentiation and synapse formation & plasticity. NTRK2 acts in learning and memory by regulating both short term synaptic function and long-term potentiation. The substrates that are known for the TRK family receptors are: SHC1, PI-3 kinase and PLC-gamma-1.

NTRK2 Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 407 amino acids (32-430a.a) and having a molecular mass of 45.2kDa. NTRK2 is fused to an 8 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95% as determined by SDS-PAGE.

**Content :** The NTRK2 solution (0.5 mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** CPTSCKCSAS RIWCSDPSPG IVAFPRLEPN SVDPENITEI FIANQKRLEI INEDDVEAYV GLRNLTIVDS  
GLKFVAHKAF LKNSNLQHIN FTRNKLTSLR RKHFRHLDLS ELILVGNPFT CSCDIMWIKT LQEAKSSPDT  
QDLYCLNESS KNIPLANLQI PNCGLPSANL AAPNLVVEEG KSITLSCSVA GDPVPMYWD VGNLVSKHMN  
ETSHTQGSLR ITNISSDDSG KQISCAENL VGEDQDSVNL TVHFAPTITF LESPTSDHHW CIPFTVKGNP  
KPALQWFYNG AILNESKYIC TKIHVTNHT EYHGCLQLDNP THMNGDYTL IAKNEYGKDE KQISAHFMGW  
PGIDDGANPN YPDVIYEDYG TAANDIGDTT NRSNEIPSTD VTDKTGREHL EHHHHHHH