

BDNF/NT-3 growth factors receptor, 32-430aa, Human, His tag, Insect cell

Cat.NO.: TP01321

3th Edition

Synonyms:GP145-TrkB, trk-B, TRKB, NTRK2

Description:NTRK2, also known as BDNF/NT-3 growth factors receptor, is a receptor tyrosine kinase involved in the development and the maturation of the central and the peripheral nervous systems through regulation of neuron survival, proliferation, migration, differentiation, and synapse formation and plasticity. It plays a role in learning and memory by regulating both short term synaptic function and long-term potentiation. Recombinant human NTRK2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:45.2kDa (407aa), 57-70kDa (SDS-PAGE under reducing conditions)

Sequences:

CPTSCCKCSASRIWCSDPSPGIVAFPRLEPNSVDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTIVDSGLKFVAHKA
FLKNSNLQHINFTRNKLTSLSRKHFRHLDLSELILVGNPFTCSCDIMWIKTLQEAKSSPDTQDLYCLNESSKNIPLANL
QIPNCGLP SANLAAPNLVVEEGKSITLSCSVAGDPVPMYWDVGNLVSKHMETSHQTQGLRITNISDDSGKQISC
VAENLVGEDQDSVNLTVHFAPTITFLESPTSDHHWCIPFTVKGNPKPALQWFYNGAILNESKYICTKIHV TNHTEYHG
CLQLDNPTHMNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYEDYGTAANDIGDTTNR SNEIPST
DVTDKTGREHLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.