
Product Data Sheet

Product Name: NTRK2 Human
 Cat. No.: GP26063
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	GP145-TrkB, trk-B, TRKB, NTRK2		
Amino Acid Sequence	<p>CPTSCCKCSAS RIWCSDPSPG IVAFPRLEPN SVDPENITEI FIANQKRLEI INEDDVEAYV GLRNLTIVDS GLKFVAHKAF LKNSNLQHIN FTRNKLTSL RKHFRHLDLS ELILVGNPFT CSCDIMWIKT LQEAKSSPDT QDLYCLNESS KNIPLANLQI PNCGLPSANL AAPNLTVEEG KSITLSCSVA GDPVPMYWD VGNLVSKHMN ETSHTQGSLR ITNISSDDSG KQISCVAENL VGEDQDSVNL TVHFAPTIF LESPTSDDHW CIPFTVKGNP KPALQWFYNG AILNESKYIC TKIHVTNHT EYHGCLQLDNP THMNNGDYTL IAKNEYGKDE KQISAHFMGW PGIDDGANPN YPDVIYEDYG TAANDIGDTT NRSNEIPSTD VTDKTGREHL EHHHHHH</p>		
Formulation	The NTRK2 solution (0.5 mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).		

Introduction

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.

Stability

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

Caution: Product has not been fully validated for medical applications. For research use only.

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(0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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.

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