

Recombinant human TrkB protein

Catalog Number: ATGP3264

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

32-430aa

UniProt No.

Q16620

NCBI Accession No.

NP_001018074.1

Alternative Names

GP145-TrkB, trk-B, TRKB, NTRK2

PRODUCT SPECIFICATION

Molecular Weight

45.2 kDa (407aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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NTRK2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

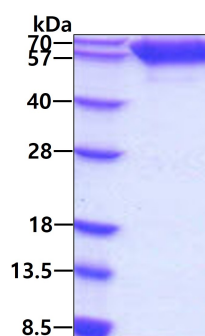
CPTSCCKCSAS RIWCSDPSPG IVAFPRLEPN SVDPENITEI FIANQKRLEI INEDDVEAYV GLRNLTIVDS GLKFVAHKAF
LKNSNLQHIN FTRNKLTSL RKHFRHLDLS ELILVGNPFT CSCDIMWIKT LQEAQSSPDT QDLYCLNESS KNIPLANLQI
PNCGLPSANL AAPNLTVVEEG KSITLSCSVA GDPVPNMYWD VGNLVSKHMN ETSHTQGSLR ITNISSDDSG KQISCVAENL
VGEDQDSVNL TVHFAPTITF LESPTSDHHW CIPFTVKGNP KPALQWFYNG AILNESKYIC TKIHVTNHTE YHGCLQLDNP
THMNNGDYTL IAKNEYGKDE KQISAHFMGW PGIDDGANPN YPDVIYEDYG TAANDIGDIT NRSNEIPSTD VTDKTGREH<L
EHHHHHH>

General References

Yeo GS., et al. (2004) Nat Neurosci. 7:1187-1189.
Banfield MJ., et al. (2001) Structure. 9:1191-1199.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.