

Recombinant mouse TrkB protein

Catalog Number: ATGP3204

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

32-429aa

UniProt No.

P15209

NCBI Accession No.

NP_001020245

Alternative Names

Ntrk2, GP145-TrkB/GP95-TrkB, Tkrb, trk-B, trkB

PRODUCT SPECIFICATION

Molecular Weight

45.7 kDa (409aa)

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 member of the neurotrophic tyrosine receptor kinase family. This protein involves in the development and the maturation of the central and the peripheral nervous systems through regulation of neuron survival, proliferation, differentiation, and synapse formation and plasticity. Recombinant mouse NTRK2, fused to His-tag at C-terminus, was expressed in insect cell and purified

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by using conventional chromatography techniques.

Amino acid Sequence

CPTSCKCSSA RIWCTEPPSPG IVAFPRLEPN SVDPENITEI LIANQKRLEI INEDDVEAYV GLRNLTIVDS GLKFVAYKAF
LKNSNLRHIN FTRNKLTSLR RRHFRHLDLS DLILTGNPFT CSCDIMWLKT LQETKSSPDT QDLYCLNESS KNMPLANLQI
PNCGLPSARL AAPNLTVEEG KSVTLSCSVG GDPLPTLYWD VGNLVSKHMN ETSHTQGSLR ITNISSDDSG KQISCVAENL
VGEDQDSVNL TVHFAPTITF LESPTSDDHW CIPFTVRGNP KPALQWFYNG AILNESKYIC TKIHVTNHTE YHGCLQLDNP
THMNGDYTL MAKNEYGKDE RQISAHFMGR PGVDYETNPN YPEVLYEDWT TPTDIGDTTN KSNEIPSTDV
ADQSNREH<AA ALEHHHHHH>

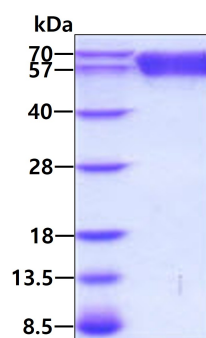
General References

Heldt SA et al., (2014) J. Neurosci., 34:(7)2444-2450.

Xiang J et al., (2014) J. Clin. Invest., 124:(1)85-98.

DATA

SDS-PAGE



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