

Recombinant Mouse TrkC Protein

Catalog Number: ATGP3946

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

32-429aa

UniProt No.

Q6VNS1

NCBI Accession No.

NP_032772

Alternative Names

NT-3 growth factor receptor, GP145-TrkC, Trk-C, Neurotrophic tyrosine kinase receptor type 3, TrkC tyrosine kinase, Ntrk3, AW125844, Ntrk3_tv3, TrkC

PRODUCT SPECIFICATION

Molecular Weight

45.4kDa (404aa)

Concentration

0.25mg/ml (determined by Absorbance at 280nm)

Formulation

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

Purity

> 90% 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

TrkC, also known as NT-3 growth factor receptor, is part of the large family of receptor tyrosine kinases. TrkC is the high affinity catalytic receptor for the neurotrophin NT-3 (neurotrophin-3). As such, TrkC mediates the multiple effects of this neurotrophic factor, which includes neuronal differentiation and survival. Family of

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neurotrophin receptors including NTRK3 have been shown to induce a variety of pleiotropic response in malignant cells, including enhanced tumor cell invasiveness and chemotoxis. Increased NTRK3 expression has been demonstrated in neuroblastoma, in medulloblastoma, and in neuroectodermal brain tumors. Recombinant mouse TrkC, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

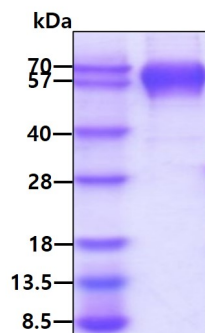
CPANCVCSKT EINCRRPDDG NLFPLLEGQD SGNSNGNASI NITDISRNIT SIHIENWRGL HTLNAVDMEL YTGLQKLTIK
NSGLRNQPR AFAKNPHLRY INLSSNRLTT LSWQLFQTLS LRELRLQNF FNCSCDIRWM QLWQEQGEAR LDSQSLYCIS
ADGSQLPLFR MNISQCDLPE ISVSHVNLTV REGDNAVITC NGSGSPLPDV DWIVTGLQSI NTHQTNLNWT NVHAINLTLV
NVTSEDNGFT LTCIAENVVG MSNASVALTV YPPRVVSLV EPEVRLEHCI EFVVRGNPTP TLHWLYNGQP LRESKIIHMD
YYQEGEVSEG CLLFNKPETHY NNGNYTLIAK NALGTANQTI NGHFLKEPFP ESTDFFDFES DASPTPPITV THKPEEDT<HH
HHHH>

General References

Wook jin., et al, (2010) Carcinogenesis. 11:1939-1947.
Garrett M B., et al, (2009) Clin Cancer Res. 15:3244-3250.
LD Huong., et al, (2012) Oral Diseases 18:513-519.

DATA

SDS-PAGE



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