

Datasheet for ABIN7596462

TRKB Protein (AA 32-430) (Fc Tag)



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Overview

Quantity:	500 µg
Target:	TRKB (NTRK2)
Protein Characteristics:	AA 32-430
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRKB protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	<p>CPTSCCKCSAS RIWCSDPSPG IVAFPRLEPN SVDPENITEI FIANQKRLEI INEDDVEAYV</p> <p>GLRNLTIVDS GLKFVAHKAF LKNSNLQHIN FTRNKLTSLs RKHFRHLDLS ELILVGNPFT</p> <p>CSCDIMWIKT LQEAkSSPDt QDLYCLNESS KNIPLANLQI PNCGLPSANL AAPNLtVEEG</p> <p>KSITLSCSVA GDPVpNMYWD VGnLVSKHMN ETSHTQGSRL ITNISSDDSG KQISCVAENL</p> <p>VGEDQDSVNL TVHFAPTITF LESPTSDHHW CIPFTVKGNP KPALQWFYNG AILNESKYIC</p> <p>TKIHVTNHTE YHGCLQLDNP THMnNGDYTL IAKNEYGKDE KQISAHFMGW PGIDDGANPN</p> <p>YPDVIYEDYG TAANDIGDTT NRSNEIPSTD VTDKTGREH</p>
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	TRKB (NTRK2)
Alternative Name:	TrkB (NTRK2 Products)
Background:	TrkB/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. Trk family are four members , TrkA, TrkB, TrkC and a related p75NTR receptor. Each family member binds different neurotrophins with varying affinities and TrkB has the highest affinity for BDNF. It plays a role in learning and memory by regulating both short term synaptic function and long-term potentiation. Mutations in TrkB have been associated with obesity and mood disorders. Recombinant human TrkB/NTRK2, fused to hIgG-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Molecular Weight:	70.3kDa (632aa)
NCBI Accession:	NP_001018074
Pathways:	RTK Signaling , Neurotrophin Signaling Pathway , cAMP Metabolic Process , Skeletal Muscle Fiber Development , Feeding Behaviour , Dicarboxylic Acid Transport

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.