

Datasheet for ABIN7596116

TRKA Protein (AA 35-418) (hlgG-His-tag)



[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	TRKA (NTRK1)
Protein Characteristics:	AA 35-418
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TRKA protein is labelled with hlgG-His-tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	SCRETCCPVG PSGLRCTRAG TLNTRLRGLRG AGNLTELYVE NQRDLQRLEF EDLQGLGELR SLTIVKSGLR FVAPDAFHFT PRLSHLNLSS NALESLSWKT VQGLSLQDLT LSGNPLHCSC ALLWLQRWEQ EDLCGVYTQK LQSGSGDQF LPLGHNNSCG VPSVKIQMPN DSVEVGDDVF LQCQVEGQAL QQADWITEL EGTATMKKSG DLPSLGLTLV NVTSDLNKKV VTCWAENDVG RAEVSVQVSV SFPASVHLGK AVEQHHCIP FSDGQPPS LRWFFNGSVL NETSFIFTQF LESALNETM RHGCLRLNQP THVNNGNYTL LAANPYGQAA ASIMAAFMDN PFEFNPEDPI PVSFSPVDTN STSRDPVEKK DETP
Purity:	> 90% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by ability to inhibit NGF-induced proliferation assay using TF-1 human

Product Details

erythroleukemic cells in the presence of 0.5ng/ml of rat NGF. The ED50 range \leq 5 ng/ml.

Target Details

Target:	TRKA (NTRK1)
Alternative Name:	TrkA (NTRK1 Products)
Background:	TrkA, also known as Tyrosine kinase receptor A, is a member of the neurotrophic tyrosine kinase receptor(NTKR) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. It leads to cell differentiation and may play a role in specifying sensory neuron subtypes. It has a crucial role in the development and function of the nociceptive reception system as well as the establishment of thermal regulation via sweating. In one study conducted on two rat models, an inhibition of TrkA with AR786 led to a reduction in joint swelling, joint damage, and pain caused by inflammatory arthritis. Recombinant rat TrkA, fused to hlgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Molecular Weight:	69kDa (623aa)
NCBI Accession:	NP_067600
Pathways:	RTK Signaling , Neurotrophin Signaling Pathway , cAMP Metabolic Process

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.