

Datasheet for ABIN6938902
TRKA Protein (AA 33-417) (Fc Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	TRKA (NTRK1)
Protein Characteristics:	AA 33-417
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRKA protein is labelled with Fc Tag.

Product Details

Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 0.1 EU per µg by the LAL method.

Target Details

Target:	TRKA (NTRK1)
Alternative Name:	TrkA (NTRK1 Products)
Background:	Receptor tyrosine kinase involved in the development and the maturation of the central and peripheral nervous systems through regulation of proliferation, differentiation and survival of sympathetic and nervous neurons. High affinity receptor for NGF which is its primary ligand. Can also bind and be activated by NTF3/neurotrophin-3. However, NTF3 only supports axonal extension through NTRK1 but has no effect on neuron survival. Upon dimeric NGF ligand-binding, undergoes homodimerization, autophosphorylation and activation. Recruits,

Target Details

phosphorylates and/or activates several downstream effectors including SHC1, FRS2, SH2B1, SH2B2 and PLCG1 that regulate distinct overlapping signaling cascades driving cell survival and differentiation. In absence of ligand and activation, may promote cell death, making the survival of neurons dependent on trophic factors.

Molecular Weight: 68.2 kDa

NCBI Accession: [NP_001012331](#)

Pathways: [RTK Signaling](#), [Neurotrophin Signaling Pathway](#), [cAMP Metabolic Process](#)

Application Details

Restrictions: For Research Use only

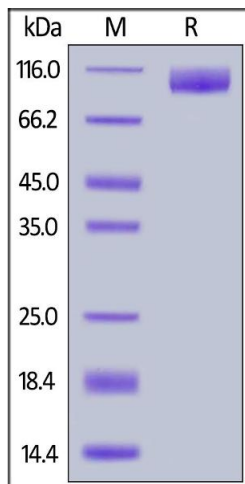
Handling

Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

Storage: -20 °C

Images



SDS-PAGE

Image 1. Human TrkA (33-417), Mouse IgG2a Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .