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Datasheet for ABIN7520361
TRKA Protein (His tag)

Overview

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

Product Details

Purpose:	Recombinant human Trk-A/NTRK1 Protein
Sequence:	AAPCPDACCP HGSSGLRCTR DGALDSLHHL PGAENLTELY IENQQHLQHL ELRDLRGLGE LRNLTIVKSG LRFVAPDAFH FTPRLSRLNL SFNAESLSW KTVQGLSLQE LVLSGNPLHC SCALRWLQRW EEEGLGGVPE QKLQCHGQGP LAHMPNASC G VPTLKVQVPN ASVDVGDDVL LRCQVEGRGL EQAGWILTEL EQSATVMKSG GLPSLGLTLA NVTSDLNRKN VTCWAENDVG RAEVSQVNV SFPASVQLHT AVEMHHWCIP FSDVGQPAPS LRWLFNGSVL NETSFIFTEP LEPAANETVR HGCLRLNQPT HVNNGNYTLL AANPFGQASA SIMAAFMDNP FEFNPEDPIP VSFSPVDTNS TSGDPVEKKD E
Specificity:	Ala33-Glu413
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.01EU/µg

Target Details

Target:	TRKA (NTRK1)
Alternative Name:	Trk-A/NTRK1 (NTRK1 Products)
Background:	<p>Description: This protein is a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.</p> <p>Name: MTC, TRK, TRK1, TRKA, Trk-A, p140-TrkA, NTRK1</p>
Gene ID:	4914
UniProt:	P04629-1
Pathways:	RTK Signaling , Neurotrophin Signaling Pathway , cAMP Metabolic Process

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	2 mg/mL
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C, -80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.