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Datasheet for ABIN7319514
TRKB Protein (His tag)

Overview

Quantity:	50 µg
Target:	TRKB (NTRK2)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TRKB protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TrkB/NTRK2 Protein (His Tag)(Active)
Sequence:	Cys32-His430
Characteristics:	Recombinant Human TrkB is produced by our Mammalian expression system and the target gene encoding Cys32-His430 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human NT-3(Cat: PKSH032803) at 2µg/ml(100 µl/well) can bind Human TrkB-His. The ED50 of Human TrkB-His is 3.777ug/ml .

Target Details

Target:	TRKB (NTRK2)
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Target Details

Alternative Name:	TrkB/NTRK2 (NTRK2 Products)
Background:	<p>Background: The TRK Family of Tyrosine Kinase Receptor consists of 3 members: TrkA, TrkB and TrkC. The three TRK family proteins have different ligand specificities. They connect to different neurotrophins, including NGF, BDNF, NT-3/NT-4/5. TRKA binds NGF, TRKB binds BDNF and NT-3, TRKC binds NT-4/5. At the protein sequence level, human and rat TRKB have greater than 90 % sequence identity and the proteins exhibit cross-species activity. TRKB is primarily expressed in the nervous system and it also expression in a wide variety of tissues with low levels.</p> <p>Synonym: BDNF/NT-3 Growth Factors Receptor, GP145-TrkB, Trk-B, Neurotrophic Tyrosine Kinase Receptor Type 2, TrkB Tyrosine Kinase, Tropomyosin-Related Kinase B, NTRK2, TRKB</p>
Molecular Weight:	45.25 kDa
UniProt:	Q16620
Pathways:	RTK Signaling , Neurotrophin Signaling Pathway , cAMP Metabolic Process , Skeletal Muscle Fiber Development , Feeding Behaviour , Dicarboxylic Acid Transport

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.