

TrkB/NTRK2 active protein

Recombinant Human TrkB/NTRK2 Protein (His Tag)(Active)

CATALOG # AAA174698	HOST Human Cells	APPLICATIONS SDS-Page
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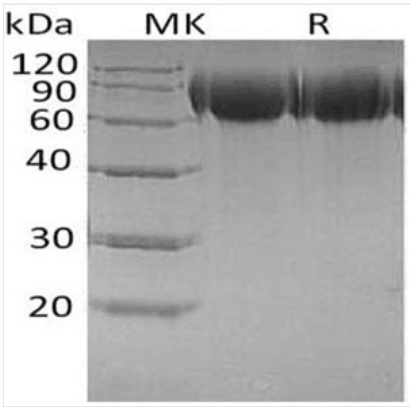
PRODUCT SYNONYMS

TrkB/NTRK2; Recombinant Human TrkB/NTRK2 Protein (His Tag)(Active); 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; TrkB/NTRK2 active protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 ?m filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Sequence	Cys32-His4 30
Sequence Length	477
Applicable Applications for TrkB/NTRK2 active protein	SDS-PAGE
Species	Human
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Tag	C-His
Bio_activity	Immobilized Human NT-3 at 2 ug/ml(100 ul/well) can bindHuman TrkB-His. The ED50 of Human TrkB-His is 3.777ug/ml .
Reconstitution	It is recommended that sterile water (200uL) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 degree C to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for TrkB/NTRK2 active protein	Protein Construction: 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. 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-3NT-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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55956790
NCBI GeneID	4915
NCBI Accession #	NP_001007098.1
NCBI GenBank Nucleotide #	NP_001007098.1
UniProt Accession #	Q16620
Molecular Weight	Molecular Mass: 45.25kDa Actual Protein Molecular Mass: 60-105kDa
NCBI Official Full Name	BDNF/NT-3 growth factors receptor isoform b
NCBI Official Synonym Full Names	neurotrophic receptor tyrosine kinase 2
NCBI Official Symbol	NTRK2
NCBI Official Synonym Symbols	OBHD; TRKB; trk-B; EIEE58; GP145-TrkB
NCBI Protein Information	BDNF/NT-3 growth factors receptor
UniProt Protein Name	BDNF/NT-3 growth factors receptor
UniProt Gene Name	NTRK2
UniProt Synonym Gene Names	TRKB; Trk-B
UniProt Entry Name	NTRK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-active-protein/trkb-ntrk2/174698>