

TRKB recombinant protein

TRKB, Active

CATALOG # AAA73766	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

TRKB; Active; NTRK2; GP145-TrkB; TRKB recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for TRKB recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for TRKB recombinant protein	Recombinant human TRKB (455-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_001018064. TRKB is a member of the neurotrophic tyrosine receptor kinase (NTRK) family. TRKB is the high affinity catalytic receptor for several "neurotrophins", which are small protein growth factors that induce the survival and differentiation of distinct cell populations (1). TRKB is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway (2). Signalling through TRKB leads to cell differentiation. Mutations in the TRKB gene have been associated with obesity and mood disorders.
Product Categories/Family for TRKB recombinant protein	Protein Kinases; Neurobiology; Receptor Tyrosine Kinases
References	1. Gregory, T. et al: Signal Transduction Mediated by the Truncated trkB Receptor Isoforms, trkB.T1 and trkB.T2. J. Neurosci. 1997; 17(8); 2683-2690. 2. Pearce, R N. et al: A neurotrophin axis in myeloma: TrkB and BDNF promote tumor-cell survival. Blood. 2005;105(11):4429-36.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_001018064
Molecular Weight	~67kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/trkb-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73766>