TPR-TRKA recombinant protein

TPR-TRKA Mutant (TRK-T1), Active

CATALOG #	HOST	APPLICATIONS
AAA73033	**Sf9 insect cells using baculovirus**	**Kinase Assay**

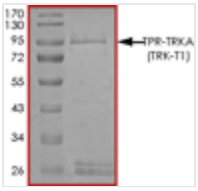
PRODUCT SYNONYMS

TPR-TRKA; TPR-TRKA Mutant (TRK-T1); Active; TPR-TRKA recombinant protein

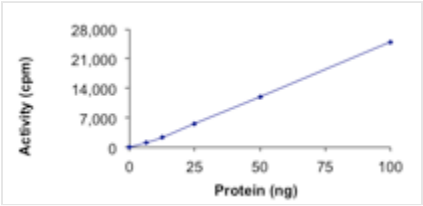
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Sequence Positions	1-191 (TPR) - 399-end (TRKA)
Sequence Length	9727
Applicable Applications for TPR-TRKA recombinant protein	Kinase Assay
Species	Human
Tag	GST tag
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



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for TPR-TRKA recombinant protein	Description: Recombinant human fusion protein TPR (1-191)-TRKA (399-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: TRKA is a member of the neurotrophic tyrosine kinase receptor (NTKR) family which is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. TRKA has a crucial role in the development and function of the nociceptive reception system as well as establishment of thermoregulation via sweating in humans (1). As one of the thyroid TRK oncogenes, TRK-T1 is created by an intrachromosomal rearrangement that juxtaposes the 5' end of the TPR gene to the TRK tyrosine kinase domain and shows frequent activation of the TRK in human papillary thyroid carcinoma (2).
Product Categories/Family for TPR-TRKA recombinant protein	Enzymes; Active Kinase Mutants

References	1. Smeyne, R. J. et.al: Severe sensory and sympathetic neuropathies in mice carrying a disrupted Trk/NGF receptor gene. Nature 368: 246-249, 1994. 2. Greco A. et.al: TRK-T1 is a novel oncogene formed by the fusion of TPR and TRK genes in human papillary thyroid carcinomas. Oncogene. 1992 Feb;7 (2):237-42.

NCBI AND UNIPROT INFORMATION

NCBI GI #	114155141
NCBI GeneID	7175
NCBI Accession #	NM_003292.2
NCBI GenBank Nucleotide #	NM_003292
UniProt Accession #	P12270; Q15624; Q15655; Q5SWY0; Q99968
Molecular Weight	~96 kDa
NCBI Official Full Name	Homo sapiens translocated promoter region, nuclear basket protein (TPR), mRNA
NCBI Official Synonym Full Names	translocated promoter region, nuclear basket protein
NCBI Official Symbol	TPR
NCBI Protein Information	nucleoprotein TPR
UniProt Protein Name	Nucleoprotein TPR
UniProt Gene Name	**TPR**

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/tpr-recombinant-protein-sf9-kinase-assay/73033