Recombinant Human NTRK1, GST-tagged, Active

Cat. No. NTRK1-448H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TRKA (440-end) was expressed by baculovirus in*Sf9 insect cell*susing a N-terminal GST tag. MW = 66kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	440-end a.a.
Description	TRKA is a member of the trk proto-oncogene family and encodes a 140-kilodalton, membrane-spanning protein tyrosine kinase that is the functional receptor for nerve growth factor (NGF). NGF elicits the rapid phosphorylation of gp140trk on tyrosine residues leading to increased c-Fos expression, DNA synthesis and morphologic transformation. A decreased expression of TRKA on the striatal cholinergic neurons has been observed which may contribute, when it reaches a crucial threshold, to the death of cholinergic neurons observed in Alzheimer.
Sequence	440-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70℃. 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.

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GENE INFORMATION

Gene Name	NTRK1 neurotrophic tyrosine kinase, receptor, type 1 [Homo sapiens]
Synonyms	NTRK1; neurotrophic tyrosine kinase, receptor, type 1; MTC; TRK; TRK1; TRKA; p140-TrkA; DKFZp781I14186; Trk-A; Oncogene TRK; tyrosine kinase receptor A; high affinity nerve growth factor receptor; EC 2.7.10.1
Gene ID	4914
mRNA Refseq	NM_001007792
Protein Refseq	NP_001007793
MIM	191315
UniProt ID	P04629
Chromosome Location	1q21-q22
Pathway	Apoptosis; Endocytosis; MAPK signaling pathway; Neurotrophin signaling pathway; Pathways in cancer; Thyroid cancer; Signalling by NGF
Function	ATP binding; neurotrophin receptor activity; nucleotide binding; protein binding; transferase activity; transmembrane receptor protein tyrosine kinase activity

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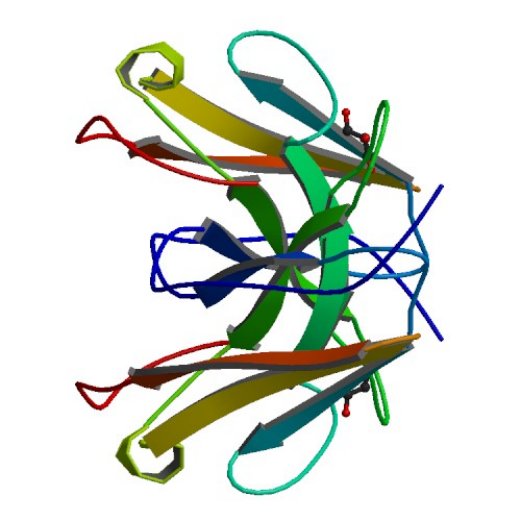
PDB rendering based on 1he7.



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