

Recombinant Human NTRK2, GST-tagged, Active

Cat. No. NTRK2-449H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TRKB (455-end) was expressed by baculovirus in <i>Sf9 insect cell</i> using an N-terminal GST tag. MW = 67kDa.
Species	Human
Source	Sf9 Cells
Protein Length	455-end a.a.
Description	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. TRKB is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through TRKB leads to cell differentiation. Mutations in the TRKB gene have been associated with obesity and mood disorders.
Sequence	455-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°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.

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GENE INFORMATION

Gene Name	NTRK2 neurotrophic tyrosine kinase, receptor, type 2 [Homo sapiens]
Synonyms	NTRK2; neurotrophic tyrosine kinase, receptor, type 2; TRKB; GP145-TrkB; OTTHUMP00000021573; OTTHUMP00000021574; OTTHUMP00000021576; OTTHUMP00000021577; tyrosine kinase receptor B; BDNF/NT-3 growth factors receptor; EC 2.7.10.1
Gene ID	4915
mRNA Refseq	NM_001007097
Protein Refseq	NP_001007098
MIM	600456
UniProt ID	Q16620
Chromosome Location	9q22.1
Pathway	MAPK signaling pathway; Neurotrophin signaling pathway; 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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