

## Recombinant Human NTRK1, GST-tagged, Active

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TRKA (440-end) was expressed by baculovirus in <i>Sf9 insect cell</i> using a N-terminal GST tag. MW = 66kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Protein Length</b>	440-end a.a.
<b>Description</b>	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.
<b>Sequence</b>	440-end.
<b>Applications</b>	Kinase Assay, Western Blot.
<b>Storage And Stability</b>	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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

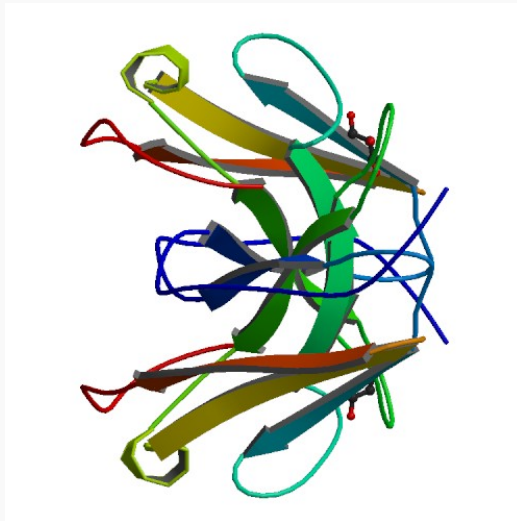
<b>Gene Name</b>	NTRK1 neurotrophic tyrosine kinase, receptor, type 1 [ Homo sapiens ]
<b>Synonyms</b>	NTRK1; neurotrophic tyrosine kinase, receptor, type 1; MTC; TRK; TRK1; TRKA; p140-TrkA; DKFZp78114186; Trk-A; Oncogene TRK; tyrosine kinase receptor A; high affinity nerve growth factor receptor; EC 2.7.10.1
<b>Gene ID</b>	4914
<b>mRNA Refseq</b>	NM_001007792
<b>Protein Refseq</b>	NP_001007793
<b>MIM</b>	191315
<b>UniProt ID</b>	P04629
<b>Chromosome Location</b>	1q21-q22
<b>Pathway</b>	Apoptosis; Endocytosis; MAPK signaling pathway; Neurotrophin signaling pathway; Pathways in cancer; Thyroid cancer; Signalling by NGF
<b>Function</b>	ATP binding; neurotrophin receptor activity; nucleotide binding; protein binding; transferase activity; transmembrane receptor protein tyrosine kinase activity

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