

Recombinant Human NTRK1, GST-His

Cat. No. NTRK1-717H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NTRK1, C-terminal fragment, amino acids G443-G796, N-terminally fused to GST-HIS6-Thrombin cleavage site, was expressed in Sf9 insect cells. MW = 69,726 Da.
Species	Human
Source	Sf9 Cells
Protein Length	443-796 a.a.
Description	TrkA is the high affinity catalytic receptor for the neurotrophin, Nerve Growth Factor, or "NGF". As such, it mediates the multiple effects of NGF, which includes neuronal differentiation and survival.
Purification	One-step affinity purification using GSH-agarose.
Product Identity	TRK-A was confirmed as TRK-A by mass spectroscopy LC-ESIMS/MS (Protagen AG, Germany).
Storage Buffer	50 mM HEPES-NaOH, pH 7.5; 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol.
Concentration	0.133 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).

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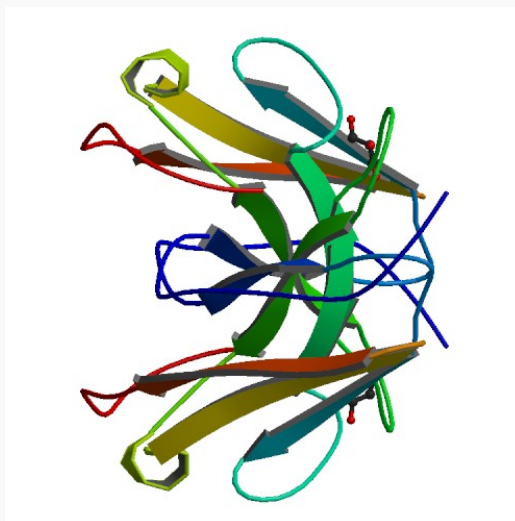
Specific Activity	29 pmol/μg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!
GENE INFORMATION	
Gene Name	NTRK1 neurotrophic tyrosine kinase, receptor, type 1 [Homo sapiens]
Synonyms	NTRK1; neurotrophic tyrosine kinase, receptor, type 1; MTC; TRK; TRK1; TRKA; p140-TrkA; DKFZp781I14186; Trk-A; Oncogene 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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