

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 <i>Sf9</i> insect cells. MW = 69,726 Da.
Species	Human
Source	Sf9 Cells
ProteinLength	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).

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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; DKFZp78114186; 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

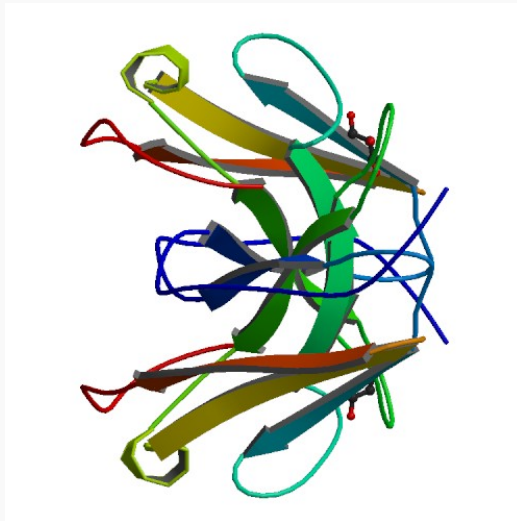
Function ATP binding; neurotrophin receptor activity; nucleotide binding; protein binding; transferase activity; transmembrane receptor protein tyrosine kinase activity

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