

Active Recombinant Human NTRK1 protein, His-tagged

Cat. No. NTRK1-977H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human NTRK1 protein(Pro 194-Glu 413)(NP_002520.2), corresponding to the Ig-like C2-type 1 & 2 domains, was expressed and purified in HEK293, with a N-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	194-413 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit NGF-induced proliferation of TF1 human erythroleukemic cells. The ED50 for this effect is typically 0.5-4 µg/ml in the presence of 10 ng/mL of human NGF.
Molecular Mass	The recombinant human NTRK1 Ig-like C2-type 1 & 2 domains (aa 194-413) consists of 239 amino acids and has a predicted molecular mass of 26 kDa. As a result of glycosylation, it migrates as an approximately 45-50 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
protein Refseq-Weblink	http://www.ncbi.nlm.nih.gov/protein/NP_001007793.1
Unit ID	P04629
Unit ID-Weblink	https://www.uniprot.org/uniprotkb/P04629

GENE INFORMATION

Gene Name	NTRK1 neurotrophic tyrosine kinase, receptor, type 1 [Homo sapiens]
Official Symbol	NTRK1
Synonyms	NTRK1; neurotrophic tyrosine kinase, receptor, type 1; high affinity nerve growth factor receptor; MTC; TRK; TRKA; gp140trk; Oncogene TRK; tyrosine kinase receptor A; tropomyosin-related kinase A; TRK1-transforming tyrosine kinase protein; TRK1; Trk-A; p140-TrkA; DKFZp781I14186;
Gene ID	4914
mRNA Refseq	NM_001007792
protein Refseq	NP_001007793

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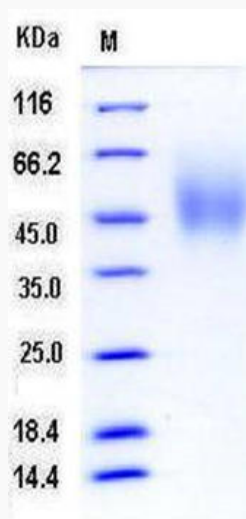
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SDS-PAGE



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