

Active Recombinant Human NTRK1 protein, His-hFc-tagged

Cat. No. NTRK1-155H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human NTRK1 protein(NP_002520.2)(Met 1-Pro 382) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-382 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit NGF-induced proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is typically 0.04-0.15 µg/ml in the presence of 10 ng/ml of recombinant human NGF.
Molecular Mass	The recombinant human NTRK1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 598 amino acids and has a predicted molecular mass of 66 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh NTRK1/Fc monomer is approximately 85-95 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 98 % 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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SDS-PAGE



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