

## Active Recombinant Human NTRK1 protein, His-hFc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-382 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 98 % as determined by SDS-PAGE

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<b>Storage</b>	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.
<b>Reconstitution</b>	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.
<b>protein Refseq-Weblink</b>	<a href="http://www.ncbi.nlm.nih.gov/protein/NP_001007793.1">http://www.ncbi.nlm.nih.gov/protein/NP_001007793.1</a>
<b>Unit ID</b>	P04629
<b>Unit ID-Weblink</b>	<a href="https://www.uniprot.org/uniprotkb/P04629">https://www.uniprot.org/uniprotkb/P04629</a>

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">NTRK1 neurotrophic tyrosine kinase, receptor, type 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">NTRK1</a>
<b>Synonyms</b>	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; DKFZp781114186;
<b>Gene ID</b>	<a href="#">4914</a>
<b>mRNA Refseq</b>	<a href="#">NM_001007792</a>
<b>protein Refseq</b>	NP_001007793

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