

Active Recombinant Human NTRK1 protein, hFc&His-tagged

Cat. No. NTRK1-2030H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NTRK1 protein(Ala33-Glu407), fused with C-terminal hFc and His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	33-407 aa
Form	Lyophilized from a 0.22 µm filtered solution of 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 12-48 ng/mL in the presence of 10 ng/mL of recombinant human NGF.
Molecular Mass	68.30 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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](#)

MIM [191315](#)

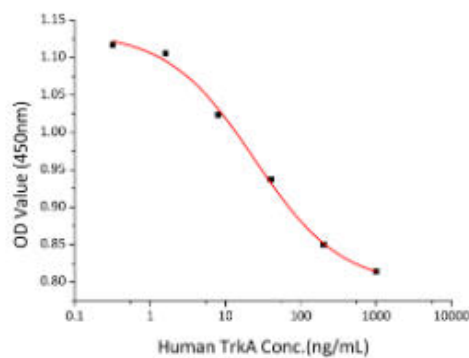
UniProt ID [P04629](#)

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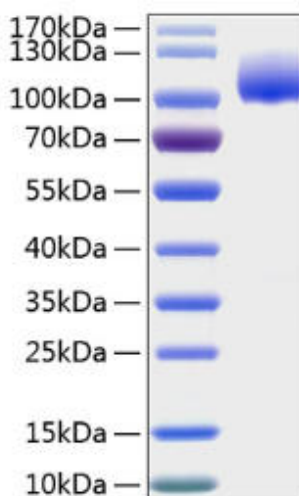
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Activity



SDS-PAGE



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