

Active Recombinant Human NTRK1 protein, hFc-tagged

Cat. No. NTRK1-108H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human NTRK1 protein(NP_002520.2) (Met1-Gly423) was expressed in HEK293 with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-423 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Immobilized Recombinant Human NGF / NGFB Protein at 2 µg/mL (100 µL/well) can bind Recombinant Human TrkA Protein (ECD, Fc Tag), the EC50 is 4-12 ng/mL.
Molecular Mass	The recombinant Human NTRK1 consisting of 629 amino acids and has a calculated molecular mass of 69.15 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 114.8 kDa protein 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. ≥ 95 % as determined by SEC-HPLC.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted 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.

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; DKFZp781114186;

Gene ID 4914

mRNA Refseq NM_001007792

Protein Refseq NP_001007793

MIM 191315

UniProt ID P04629

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