

Recombinant Human NTRK1 Protein, Fc/His-tagged

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

SPECIFICATION

Product Overview Recombinant Human TrkA Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ala33-Glu407) of human TrkA (Accession #NP_001012331.1) fused with an Fc, 6xHis tag at the C-terminus.

Species Human

Source HEK293

ProteinLength Ala33-Glu407

Description This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, cognitive disability and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.

Form Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5 % mannitol.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Purity > 90% as determined by SDS-PAGE

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein 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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