

## Recombinant Human NTRK1 Protein, DDK/His-tagged

Cat. No. NTRK1-296H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NTRK1(Ala33-Gly417), transcript variant 1, fused with DDK/His tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ala33-Gly417
<b>Description</b>	<p>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, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.</p>
<b>Form</b>	1 x PBS, pH7.4, 10% glycerol
<b>Molecular Mass</b>	45 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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**GENE INFORMATION**

<b>Gene Name</b>	NTRK1 neurotrophic tyrosine kinase, receptor, type 1 [ Homo sapiens ]
<b>Official Symbol</b>	NTRK1
<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>	4914
<b>mRNA Refseq</b>	NM_001012331
<b>Protein Refseq</b>	NP_001012331
<b>MIM</b>	191315
<b>UniProt ID</b>	P04629

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