

Recombinant Full Length Human NTRK1 Protein, C-Flag-tagged

Cat. No. NTRK1-1505HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NTRK1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	86.7 kDa
AA Sequence	MLRGGRRGQLGWHWSAAGPGSLLAWLILASAGAAPCPDACCPHGSSGLRCTR DG ALDSLHHLPGAENLTE LYIENQQHLQHLELRDLRGLGELRNLTIVKSGLR FVAPDAF HFTPRLSRLNLSFNALESLSWKTVQGLSL QELVLSGNPLHCSCALRWLQRWEEEG LGGVPEQKLQCHGQGPLAHMPNASCGVPTLKVQVPNASVDVGDD VLLRCQVEGR

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GLEQAGWILTELEQSATVMKSGGLPSLGLTLANVTSDLNRKNLTCWAENDVGRAEV
SVQV NVSFPASVQLHTAVEMHHWCIPFSVDGQPAPSLRWLFNGSVLNETSFIFTEF
LEPAANETVRHGCLRLNQ PTHVNNGNYTLAANPFGQASASIMAAFMDNPFEFNPE
DPIPDNSTSGDPVEKKDETPFGVSVAVGLAV FACLFLSTLLVLNKCGRNRNKFGIN
RPAVLAPEDGLAMSLHFMTLGGSSLSPTTEGKGSGLQGHIIENPQY FSDACVHHIKR
RDIVLKWELGEGAFGKVFLAECHNLLPEQDKMLVAVKALKEASESARQDFQREAEL
LTM LQHQHIVRFFGVCTEGRPLLMVFEYMRHGDLNRFLRSHGPDALLAGGEDVA
PGPLGLGQLLAVASQVAA GMVYLAGLHFVHRDLATRNCLVGQGLVVKIGDFGMSR
DIYSTDYYRVGGRTMLPIRWMPPEASILYRKFTT ESDVWSFGVVLWEIFTYGKQPWY
QLSNTEAIDCITQGRELERPRACPPEVYAIMRGCWQREPQQRHSIKD
VHARLQALAQAAPPVYLDVLGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways	Apoptosis, Endocytosis, MAPK signaling pathway, Neurotrophin signaling pathway, Pathways in cancer, Thyroid cancer
Full Length	Full L.

GENE INFORMATION

Gene Name NTRK1 neurotrophic receptor tyrosine kinase 1 [Homo sapiens (human)]

Official Symbol NTRK1

Synonyms MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA

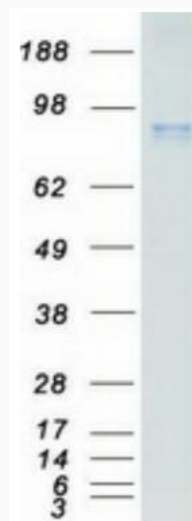
Gene ID 4914

mRNA Refseq NM_001012331.2

Protein Refseq NP_001012331.1

MIM 191315

UniProt ID P04629



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Coomassie blue staining of purified NTRK1 protein.

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