

Recombinant Human NTRK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NTRK2-4731H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NTRK2 MS Standard C13 and N15-labeled recombinant protein (NP_001007098) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternative splicing results in multiple transcript variants.
Molecular Mass	53.1 kDa
AA Sequence	MSSWIRWHGPAMARLWGFCWLVGFWRAAFACPTSCCKSASRIWCSDPSPGIVA FPRLEPNSVDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTIVDSGLKFVAHKAFLKN SNLQHINFTRNKLTSLSRKHFRHLDLSELILVGNPFTCSCDIMWIKTLQEAKSSPDTQ DLYCLNESSKNIPLANLQIPNCGLPANLAAPNLTVEEGKSITLSCSVAGDPVPMY WDVGNLVSKHMNETSHTQGSLRITNISSDDSGKQISCVAENLVGEDQDSVNLTVHF APTITFLESPTSDHHWCIPFTVKGNPKPALQWFYNGAILNESKYICTKIHVTNHTEYH GCLQLDNPTHMNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYED YGTAANDIGDTTNRSNEIPSTDVTDKTGREHLSVYAVVVIASVVGFCLLVMLFLLKLA

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RHSKFGMKGFVLFHKIPLDGTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NTRK2 neurotrophic receptor tyrosine kinase 2 [Homo sapiens (human)]
Official Symbol	NTRK2
Synonyms	NTRK2; neurotrophic tyrosine kinase, receptor, type 2; BDNF/NT-3 growth factors receptor; TRKB; trkB tyrosine kinase; tyrosine kinase receptor B; tropomyosin-related kinase B; BDNF-tropomyosine receptor kinase B; trk-B; GP145-TrkB;
Gene ID	4915
mRNA Refseq	NM_001007097
Protein Refseq	NP_001007098
MIM	600456

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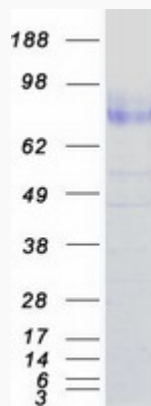
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UniProt ID

Q16620

SDS-PAGE

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