

## Recombinant Human NTRK2 Protein, His-tagged

Cat. No. NTRK2-469H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human NTRK2 protein with His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	822
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	45 kDa
<b>AA Sequence</b>	MSSWIRWHGPAMARLWGFCWLVVGFWRAAFACPTSCCKCSASRIWCSDPSPGIVA FPRLEPNSVDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTIIVDSGLKFVAHKAFLKN SNLQHINFTRNKLTSLSRKHFRHLDLSELILVGNPFTCSCDIMWIKTLQEAKSSPDTQ DLYCLNESSKNIPLANLQIPNCGLPSANLAAPNLVVEEGKSITLSCSVAGDPVPMY WDVGNLVSKHMNETSHTQGSLRITNISSDDSGKQISCAENLVGEDQDSVNLTVHF APTITFLESPTSDDHHCIPFTVKGPNKPALQWFYNGAILNESKYICTKIHVTNHTEYH GCLQLDNPTHMNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYED

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YGTAANDIGDTTNRSNEIPSTDVTDKTGREHLSVYAVVVIASVVGFCLLVMLFLLKLA  
 RHSKFGMKGPASVISNDDDSASPLHHISNGSNTPSSSEGGPDAVIIGMTKIPVIENPQ  
 YFGITNSQLKPDTFVQHIKRHNIVLKRELGEFAGFKVFLAECYNLCPEQDKILVAVKTL  
 KDASDNARKDFHREAELLTNLQHEHIVKFGVCVEGDPLIMVFEYMKHGDLNKFLRA  
 HGPDAVLMAEGNPPELTQSQMLHIAQQAAGMVYLASQHFVHRDLATRNLVGEN  
 LLVKIGDFGMSRDVYSTDYRVGGHTMLPIRWMPPEMIMYRKFTTESDVVSLGVVL  
 WEIFTYGKQPWYQLSNNEVICITQGRVLQRPRTCPQEVYELMLGCWQREPHMRK  
 NIKGIHTLLQNLAKASPVYLDILG

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** NTRK2 neurotrophic tyrosine kinase, receptor, type 2 [ Homo sapiens (human) ]

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<b>Official Symbol</b>	NTRK2
<b>Synonyms</b>	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;
<b>Gene ID</b>	4915
<b>mRNA Refseq</b>	NM_001007097
<b>Protein Refseq</b>	NP_001007098
<b>MIM</b>	600456
<b>UniProt ID</b>	Q16620

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