

# Recombinant Full Length Human NTRK2 Protein, C-Flag-tagged

**Cat. No.** NTRK2-1150HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human NTRK2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<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>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	90.1 kDa
<b>AA Sequence</b>	MSSWIRWHGPAMARLWGFVWVGFVWRAAFACPTSCCKCSASRIWCSDPSPGIVA FPRLEPNSVDPENITE IFIANQKRLEIINEDDVEAYVGLRNLTVDSGLKFVAHKAFK NSNLQHINFTRNKLTSLSRKHFRHLDL SELILVGNPFTCSCDIMWIKTLQEAKSSPDT QDLYCLNESSKNIPLANLQIPNCGLPSANLAAPNLVVEE GKSITLSCSVAGDPVPM YWDVGNLVSKHMNETSHTQGSLRITNISSDDSGKQISCVAENLVGEDQDSVN LTVH FAPTITFLESPTSDHHWCIPFTVKGNPKPALQWFYNGAILNESKYICTKIHVTNHTEYH GCLQLDN PTHMNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYED

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 45-1 Ramsey Road, Shirley, NY 11967, USA

YGTAANDIGDTTNRSNEIPST DVTDKTGREHLSVYAVVVIASVVGFCLLVMLFLLKLA  
 RHSKFGMKDFSWFGFGKVKSRQGVGPASVISND DDSASPLHHISNGSNTPSSEG  
 GPDAVIIGMTKIPVIENPQYFGITNSQLKPDTFVQHIKRHNIVLKREL GEGAFGKVFLA  
 ECYNLCPEQDKILVAVKTLKDASDNARKDFHREAELLTNLQHEHIVKFGVVCVEGDP  
 LI MVFEYMKHGDLNKFLRAHGPDAVLMAEGNPPELTQSQMLHIAQQIAAGMVYLA  
 SQHFVHRDLATRNLV GENLLVKIGDFGMSRDVYSTDYR VGGHTMLPIRWMPPE  
 SIMYRKFTTESDVVSLGVVLWEIFTYGKQPW YQLSNNEVIECITQGRVLQRPRTCP  
 QEVYELMLGCWQREPHMRKNIKGIHTLLQNLAKASPVYLDILGTRTRPLEQKLISEED  
 LAANDILDYKDDDDKV

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

## GENE INFORMATION

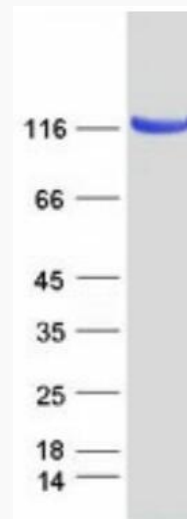
**Gene Name** [NTRK2 neurotrophic receptor tyrosine kinase 2 \[ Homo sapiens \(human\) \]](#)

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<b>Official Symbol</b>	NTRK2
<b>Synonyms</b>	OBHD; TRKB; DEE58; trk-B; EIEE58; GP145-TrkB
<b>Gene ID</b>	4915
<b>mRNA Refseq</b>	NM_006180.6
<b>Protein Refseq</b>	NP_006171.2
<b>MIM</b>	600456
<b>UniProt ID</b>	Q16620



Coomassie blue staining of purified NTRK2 protein.

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