

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human NTRK2 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 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	90.1 kDa
AA Sequence	MSSWIRWHGPAMARLWGFCWLVGFWRAAFACPTSCKCSASRIWCSDPSPGIVA FPRLEPNSVDPENITE IFIANQKRLEIINEDDVEAYVGLRNLTVDSGLKFVAHKAFLK NSNLQHINFTRNKLTSLSRKHFRHLDL SELILVGNPFTCSCDIMWIKTLQEAKSSPDT QDLYCLNESSKNIPLANLQIPNCGLPSANLAAPNLVVEE GKSITLSCSVAGDPVPM YWDVGNLVSKHMMNETSHTQGSLRITNISSDDSGKQISCVAENLVGEDQDSVN LTVH FAPTITFLESPTSDHHWCIPFTVKGNPKPALQWFYNGAILNESKYICTKIHVTNHTEYH GCLQLDN PTHMNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYED

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YGTAANDIGDTTNRSNEIPST DVTDKTGREHLSVYAVVVIASVVGFCLLVMLFLLKLA
 RHSKFGMKDFSWFGFGKVKSQRQGVGPASVISND DDSASPLHHISNGSNTPSSE
 GPDAVIIGMTKIPVIENPQYFGITNSQLKPDFTFVQHIKRHNIVLKREL GEGAFGKVFLA
 ECYNLCPEQDKILVAVKTLKDASDNARKDFHREAELLTNLQHEHIVKFYGVVCVEGDP
 LI MVFEYMKHGDNLKFLRAHGPDAVLMAEGNPPTTELTQSQMLHIAQQIAAGMVYLA
 SQHFVHRDLATRNCLV GENLLVKIGDFGMSRDVYSTDYRVGGHTMLPIRWMPPE
 SIMYRKFTTESDVWSLGVVLWEIFTYGKQPW YQLSNNEVIECITQGRVLQRPRTCP
 QEVYELMLGCWQREPHMRKNIKGIHTLLQNLAKASPVYLDILGTRTRPLEQKLISEED
 LAANDILDYKDDDDKV

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	MAPK signaling pathway, Neurotrophin signaling pathway
Full Length	Full L.

GENE INFORMATION

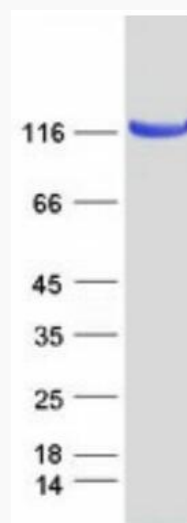
Gene Name [NTRK2 neurotrophic receptor tyrosine kinase 2 \[Homo sapiens \(human\) \]](#)

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



Coomassie blue staining of purified NTRK2 protein.