

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

MSSWIRWHGPAMARLWGFVWVGFVWRAAFACPTSCCKCSASRIWCSDPSPGIVA
 FPRLEPNSVDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTIIVDSGLKQFVAHKAFLKN
 SNLQHINFTRNKLTSLSRKHFRHLDLSELILVGNPFTCSCDIMWIKTLQEAKSSPDTQ
 DLYCLNESSKNIPLANLQIPNCGLPANLAAPNLVVEEGKSITLSCSVAGDPVPMY
 WDVGNLVSKHMNETSHTQGSLRITNISSDDSGKQISCVAENLVGEDQDSVNLTVHF
 APTITFLESPTSDHHWCIPFTVKGPNKPALQWFYNGAILNESKYICTKIHVTNHTEYH
 GCLQLDNPTHMNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYED
 YGTAANDIGDTTNRSNEIPSTDVTDKTGREHLSVYAVVVIASVVGFCLLVMLFLLKLA

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RHSKFGMKGFVLFHKIPLDGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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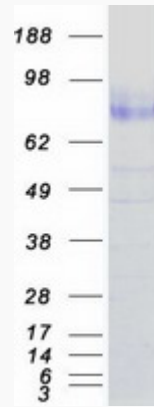
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UniProt ID

Q16620

SDS-PAGE



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