

Recombinant Human NTRK2 Protein (32-430aa), C-His tagged

Cat. No. NTRK2-24H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human NTRK2 (32-430aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	32-430aa
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	Liquid
Molecular Mass	45.2 kDa (407aa)
AA Sequence	CPTSCCKCSASRIWCSDPSPGIVAFPRLEPNSVDPENITEIFIANQKRLEIINEDDVEAY VGLRNLTIVDSGLKFVAHKAFLKNSNLQHINFTRNKLTSLSRKHFRHLDLSELILVGNP FTCSCDIMWIKTLQEAKSSPDTQDLYCLNESSKNIPLANLQIPNCGLPSANLAAPNLT VEEGKSITLSCSVAGDPVPMYWDVGNLVSKHMNETSHTQGSLRITNISSDDSGKQI SCVAENLVGEDQDSVNLTVHFAPTITFLESPTSDDHHCIPFTVKGNPKPALQWFYN

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GAILNESKYICTKIHVTNHTEYHGCLQLDNPTHMNNGDYTLIAKNEYGKDEKQISAHF
 MGWPGIDDGANPNYPDVIYEDYGTAANDIGDTTNRSNEIPSTDVTDKGTGREH< LEH
 HHHHH>

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 95% by SDS-PAGE

Applications SDS-PAGE

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/mL (determined by absorbance at 280nm)

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name [NTRK2 neurotrophic tyrosine kinase, receptor, type 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_001018064](#)

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Protein Refseq NP_001018074

MIM 600456

UniProt ID Q16620

SDS-PAGE 3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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