

Recombinant Human NTRK2 Protein, Fc-tagged

Cat. No. NTRK2-470H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NTRK2 protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	822
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	Lyophilized
Molecular Mass	70.4 kDa
AA Sequence	MSSWIRWHGPAMARLWGFCWLVGFWRAAFACPTSCKCSASRIWCSDPSPGIVA FPRLEPNSVDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTIVDSGLKFVAHKAFLKN SNLQHINFTRNKLTSLSRKHFRHLDLSELILVGNPFTCSCDIMWIKTLQEAKSSPDTQ DLYCLNESSKNIPLANLQIPNCGLPSANLAAPNLVVEEGKSITLSCSVAGDPVPNMY WDVGNLVSKHMNETSHTQGSLRITNISSDDSGKQISCVAENLVGEDQDSVNLTVHF APTITFLESPTSDDHHWCIPFTVKGNPKPALQWYFNGAILNESKYICTKIHVTNHTEYH GCLQLDNPTHMNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYED

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

YGTAANDIGDTTNRSEIPSTDVTDKTGREHLSVYAVVVIASVVGFCLLVMLFLLKLA
RHSKFGMKGPASVISNDDDSASPLHHISNGSNTPSSEGGPDAVIIGMTKIPVIENPQ
YFGITNSQLKPDTFVQHIKRHNIVLKRELGEAGFGKVFLAECYNLCPEQDKILVAVKTL
KDASDNARKDFHREAELLTNLQHEHIVKFYGVCEGDPLIMVFEYMKHGDNLKFLRA
HGPDAVLMAEGNPPTELTQSQMLHIAQQAAGMVYLASQHFVHRDLATRNLVGEN
LLVKIGDFGMSRDVYSTDYRVGGHTMLPIRWMPPEMIMYRKFTTESDVWSLGVVL
WEIFTYGKQPWYQLSNNEVIECITQGRVLQRPRTCPQEVYELMLGCWQREPHMRK
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 H₂O 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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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
UniProt ID	Q16620

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