

Recombinant Human NTRK3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NTRK3-5483H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NTRK3 MS Standard C13 and N15-labeled recombinant protein (NP_001012338) 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 and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	94.43 kDa
AA Sequence	MDVSLCPAKCSFWRIFLLGSVWLDYVGSVLACPANCVCSTEINCRRPDDGNLFPL LEGQDSGNSNGNASINITDISRNITSIHIENWRS�HTLNAVDMELYTGLQKLTIKNSGL RSIQPRAFAKNPHRLRYINLSSNRLTTLQSWQLFQTLRLRELQLEQNFFNCSCDIRWMQ LWQEQGEAKLNSQNLQYCINADGSQPLFRMNISQCDLPEISVSHVNLTVREGDNAV TCNGSGSPLPDVDWIVTGLQSLNTHQTNLNWTNVHAINLTLVNVTSEDNGFTLTCLAE NVVGMSNASVALTVYPPRVVSLEEPELRLEHCIEFVVRGNPPPTLHWHNGQPLR

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ESKIIHVEYYQEGEISEGCLLFNKPHTYNNNGNYTLIAKNPLGTANQTINGHFLKEPFPE
 STDNFILFDEVSPPTPITVTHKPEEDTFGVSIAGVLAFAFVLLVLFVLMINKYGRRSK
 FGMKGPVAVISGEEDSASPLHHINHGITTPSSLDAGPDTVVIGMTRIPVIENPQYFRQ
 GHNCHKPDTYVQHIKRRDIVLKLRELGEAGFGKVFLAECYNLSPTKDKMLVAVKALKD
 PTLAARKDFQREAELLTNLQHEHIVKFYGVCGDGDPLIMVFEYMKHGDNLKFLRAHG
 PDAMILVDGQPRQAKGELGLSQMLHIASQIASGMVYLASQHFVHRDLATRNCLVGA
 NLLVKIGDFGMSRDVYSTDYRLFNPSGNDFCIWCEVGGHTMLPIRWMPPEESIMYR
 KFTTESDVWSFGVILWEIFTYGKQPWFQLSNTEVIECITQGRVLERPRVCPKEVYDV
 MLGCWQREPQQRLNIKEIYKILHALGKATPIYLDILGTRTRPLEQKLISEEDLAANDILD
 YKDDDDKV

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 NTRK3 neurotrophic receptor tyrosine kinase 3 [Homo sapiens (human)]

Official Symbol NTRK3

Synonyms NTRK3; neurotrophic tyrosine kinase, receptor, type 3; NT-3 growth factor receptor; TRKC; GP145-TrkC; ETV6-NTRK3 fusion; tyrosine kinase receptor C; ETS related protein-neurotrophic receptor tyrosine kinase fusion protein; gp145(trkC);

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Gene ID	4916
mRNA Refseq	NM_001012338
Protein Refseq	NP_001012338
MIM	191316
UniProt ID	Q16288
SDS-PAGE	