

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NTRK3 MS Standard C13 and N15-labeled recombinant protein (NP_001012338) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 94.43 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MDVSLCPAKCSFWRIFLLGSVWLDYVGSVLACPANCVCSTEINCRRPDDGNLFPL<br>LEGQDSGNSNGNASINITDISRNITSIHIENWRSLSHTLNAVDMELYTGLQKLTIKNSGL<br>RSIQPRAFAKNPHRLRYINLSSNRLTTLWSQLFQTLRLRELQLEQNFFNCSCDIRWMQ<br>LWQEQGEAKLNSQNLVCINADGSQPLFRMNISQCDLPEISVSHVNLTVREGDNAV<br>TCNGSGSPLPDVDWIVTGLQSINTHQTNLWNTNVHAINLTLVNVTSSENGFTLTCAIE<br>NVVGMSNASVALTVYYPPRVVSLEEPELRLEHCIEFVVRGNPPPTLHWHNGQPLR                                                                                                                                                                                                                |

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ESKIIHVEYYQEGEISEGCLLFNKPHTYNNNGNYTLIAKNPLGTANQTINGHFLKEPFPE  
 STDNFILFDEVSPPTPITVTHKPEEDTFGVSIAGLAACVLLVLFVLMINKYGRRSK  
 FGMKGPVAVISGEEDSASPLHHINHGITTSSLDAGPDTVVIGMTRIPVIENPQYFRQ  
 GHNCHKPDTYVQHIKRRDIVLKLRELGEAGFGKVFLAECYNLSPTKDKMLVAVKALKD  
 PTLAARKDFQREAELLTNLQHEHIVKFYGVCGDGDPLIMVFEYMKHGDNLKFLRAHG  
 PDAMILVDGQPRQAKGELGLSQMLHIASQIASGMVYLASQHFVHRDLATRNCLVGA  
 NLLVKIGDFGMSRDVYSTDYRLFNPSGNDFCIWCEVGGHTMLPIRWMPPEESIMYR  
 KFTTESDVWSFGVILWEIFTYQKQPFQLSNTEVIECITQGRVLERPRVCPKEVYDV  
 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) ]

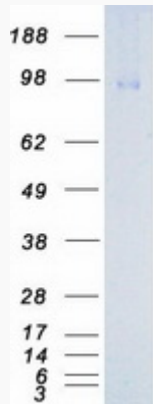
**Official Symbol** NTRK3

**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       |  |