

Product datasheet for PH319113

TrkC (NTRK3) (NM_001012338) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | NTRK3 MS Standard C13 and N15-labeled recombinant protein (NP_001012338) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC219113 |
| Predicted MW: | 94.43 kDa |
| Protein Sequence: | >RC219113 representing NM_001012338 Red=Cloning site Green=Tags(s) |

MDVSLCPAKCSFWRIFLLGSVWLDYVGSVLACPANCVCCKTEINCRPPDDGNLFPLLEGQDSGNSNGNAS
INITDISRNITSIHIENWRSHTLNAVDMELYTGLQKLTIKNSGLRSIQPRFAKNPHLRYINLSSNRLT
TLWQLFQTLRELEQNFNCSDIRWMLWQEQGEAKLNSQNLKYNADGSQLPLFRMNISQCDLP
EISVSHVNLTVREGDNAVITCNGSGSPLPDVDWIVTGLQSIINTHQTNLWNTNVHAINLTLVNVTSSENGF
TLTCIAENVVGMSNASVALTVYPPRVVSLPEELRLEHCIEFVVRGNPPPTLHWHNGQPLRESKIIHV
EYYQEGEISEGCLLFNKPTHYNNNGNYTLIAKNPLGTANQTINGHFLKEPFPESTDNFILFDEVSPPTIT
VTHKPEEDTFGVIAVGLAAAFACVLLVFLVMINKYGRRSKFGMKGPVAVISGEEDSASPLHHINHGITT
PSSLDAGPDTVIGMTRIPVIENPQYFRQGHNCHKPDTYVQHIKRRDIVLRELKRELFVLAECYNL
SPTKDKMLVAVKALKDPTLAARKDFQREALLTNLQHEHIVKFGYVCGDGPLIMVFEYMKHGDLNKFRL
AHGPDAMILVDGQPRQAKGELGLSQMLHIASQIASGMVYLASQHFVHRDLATRNLVGANLLVKIGDFGM
SRDYYSTDYRFLFNPSGNDFCIWCEVGGHTMLPIRWMPPESIMYRKFTTESDVVWVSGVILWEIFTYKQP
WFQLSNTVEIECITQGRVLERPRVCPKEVYDVMLGCWQREPQQRLNIKEIYKILHALGKATPIYLDILG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|------------------|--|
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_001012338 |



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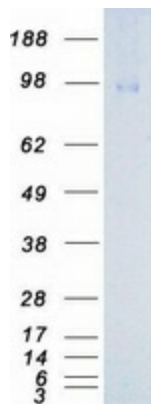
| | |
|---------------|---|
| RefSeq Size: | 2860 |
| RefSeq ORF: | 2517 |
| Synonyms: | gp145(trkC); GP145-TrkC; TRKC |
| Locus ID: | 4916 |
| UniProt ID: | Q16288 , X5D2R1 |
| Cytogenetics: | 15q25.3 |

Summary: 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. [provided by RefSeq, Jul 2011]

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Neurotrophin signaling pathway

Product images:



Coomassie blue staining of purified NTRK3 protein (Cat# [TP319113]). The protein was produced from HEK293T cells transfected with NTRK3 cDNA clone (Cat# [RC219113]) using MegaTran 2.0 (Cat# [TT210002]).