

## Product datasheet for PH313333

### TrkC (NTRK3) (NM\_002530) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NTRK3 MS Standard C13 and N15-labeled recombinant protein (NP_002521)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213333
Predicted MW:	92.8 kDa
Protein Sequence:	>RC213333 representing NM_002530 Red=Cloning site Green=Tags(s)

MDVSLCPAKCSFWRIFLLGSVWLDYVGSVLACPANCVCCKTEINCRPPDDGNLFPILLEQDQSGNSNGNAS  
INITDISRNITSIHIENWRSHTLNAVDMELYTGLQKLTIKNSGLRSIQPRFAKNPHLRYINLSSNRLT  
TLQSWQLFQTLQSLRELQLEQNFFNCSDIRWMLWQEQGEAKLNSQNLKYNADGSQLPLFRMNISQCDLP  
EISVSHVNLTVREGDNAVITCNGSGSPLPDVDWIVTGLQSIINTHQTNLWNTNVHAINLTLVNVTSSENGF  
TLTCAIENVVGMNASVALTVYPPRVVSLPEPELRLEHCIEFVVRGNPPPTLHWHNGQPLRESKIIHV  
EYYQEGEISEGCLLFNKPTHYNNNGNYTLIAKNPLGTANQTINGHFLKEPFPESTDNFILFDEVSPPTIT  
VTHKPEEDTFGVSI AVGLAAAFACVLLVFLVMINKYGRRSKFGMKGPVAVISGEEDSASPLHHINHGITT  
PSSLDAGPDTVVIGMTRIPVIENPQYFRQGHNCHKPDTYVQHIKRRDIVLKRLEGAFGKVF LAECYNL  
SPTKDKMLVAVKALKDPTLAARKDFQREAE LLTNLQHEHIVKFGYVCGDGPLIMVFEYMKHGDLNKF LR  
AHGPDAMILVDGQPRQAKGELGLSQMLHIASQIASGMVYLASQHFVHRDLATRNLVGANLLVKIGDFGM  
SRDVYSTDYRVRGGHTMLPIRWMPPESIMYRKFTTESDVVSFGVILWEIFTYGKQPWFQLSNTEVIECIT  
QGRVLERPRVCPKEVYDVMLGCWQREPQQLNIKEIYKILHALGKATPIYLDILG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_002521</a>



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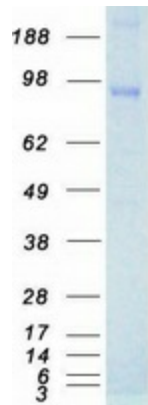
RefSeq Size:	2818
RefSeq ORF:	2475
Synonyms:	gp145(trkC); GP145-TrkC; TRKC
Locus ID:	4916
UniProt ID:	<a href="#">Q16288</a> , <a href="#">X5D7M5</a>
Cytogenetics:	15q25.3

**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# [TP313333]). The protein was produced from HEK293T cells transfected with NTRK3 cDNA clone (Cat# [RC213333]) using MegaTran 2.0 (Cat# [TT210002]).