

Product datasheet for **TP319113M**

TrkC (NTRK3) (NM_001012338) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human neurotrophic tyrosine kinase, receptor, type 3 (NTRK3), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219113 representing NM_001012338 Red=Cloning site Green=Tags(s)

MDVSLCPAKCSFWRIFLLGSWLDYVGSVLACPANCVCCKTEINCRPDDGNLFPLEGGQDSGNSNGNAS
INITDISRNITSIHIENWRSHTLNAVDMELYTGLQKLTIKNSGLRSIQPRAFAKNPHLYINLSSNRLT
TLWQFLFQTLRELQLEQNFFNCSCDIRWMQLWQEQGEAKLNSQNLICINADGSQPLFRMNISQCCLP
EISVSHVNLTVREGDNAVITCNGSGSPLPDVDWIVTGLQSIINTHQTNLWNTNVHAINLTLVNVTSSENGF
TLTCIAENVVGMNASVALTVYPPRVVSLEPELRLEHCIEFVVRGNPPPTLHWHLHNGQPLRESKIIHV
EYYQGEISEGCLLFNKPTHYNNNGNYTLIAKNPLGTANQTINGHFLKEPFPESTDNFILFDEVSPPTPIT
VTHKPEEDTFGVSIAVGLAAAFACVLLVLFVMINKYGRRSKFGMKGPVAVISGEEDSASPLHHINHGITT
PSSLDAGPDTWIGMTRIPVIENPQYFRQGHNCHKPDTYVQHKKRRDIVLKRELGEGAFGKVFLAECYNL
SPTKDKMLVAVKALKDPTLAARKDFQREALLTNLQHEHIVKFGVCGDGDPLIMVFYMKHGDNLKFLR
AHGPDAMILVDGQPRQAKGELGLSMLHIASQIASGMVYLASQHFVHRDLATRNCLVGANLLVKIGDFGM
SRDVYSTDYRLFNPSGNDFCIWCEVGGHTMLPIRWMPPEMIMYRKFTTESDVWSFGVILWEIFTYGKQP
WFQLSNTEVIECITQGRVLERPRVCPKEYVDVMLGCWQREPQQRLNIKEIKILHALGKATPIYLDILG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

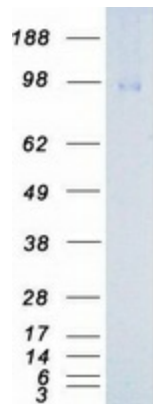
Tag:	C-Myc/DDK
Predicted MW:	90.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001012338
Locus ID:	4916
UniProt ID:	Q16288 , X5D2R1
RefSeq Size:	2860
Cytogenetics:	15q25.3
RefSeq ORF:	2517
Synonyms:	gp145(trkC); GP145-TrkC; TRKC
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]).