

Product datasheet for **TP313333**

TrkC (NTRK3) (NM_002530) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human neurotrophic tyrosine kinase, receptor, type 3 (NTRK3), transcript variant 2, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC213333 representing NM_002530
Red=Cloning site Green=Tags(s)

MDVSLCPAKCSFWRIFLLGSWLDYVGSVLACPANCVCCKTEINCRPDDGNLFPLEGGQDSGNSNGNAS
INITDISRNITSIHIENWRSHTLNAVDMELYTGLQKLTIKNSGLRSIQPRAFAKNPHLYINLSSNRLT
TLWQLFQTLRELQLEQNFFNCSCDIRWMQLWQEQQEAKLNSQNLICYINADGSQPLFRMNISQCCLP
EISVSHVNLTVREGDNAVITCNGSGSPLPDVDWIVTGLQSINTHQTNLNWTVHAINLTLVNVTSSENGF
TLTCIAENVVGMNASVALTVYPPRVSLEPELRLEHCIEFVVRGNPPPTLHWHLHNGQPLRESKIIHV
EYYQGEISEGCLLFNKPTHYNNNGNYTLIAKNPLGTANQTINGHFLKEPFPESTDNFILFDEVSPPTPIT
VTHKPEEDTFGVSIAVGLAAACVLLVLFVMINKYGRRSKFGMKGPVAVISGEEDSASPLHHINHGITT
PSSLDAGPDTWIGMTRIPVIENPQYFRQGHNCHKPDTYVQHKKRRDIVLKRELGEAFGKVFLLAECYNL
SPTKDKMLVAVKALKDPTLAARKDFQREALLTNLQHEHIVKFGVCGDGDPLIMVFYMKHGDNLKFLR
AHGPDAMILVDGQPRQAKGELGLSMLHIASQIASGMVYLASQHFVHRDLATRNCLVGANLLVKIGDFGM
SRDVYSTDYRVGGHTMLPIRWMPPEPESIMYRKFTTESDVWSFGVILWEIFTYQKQPFQLSNTEVICIT
QGRVLERPRVCPKEVYDVMLGCWQREPQQRLNIKEIKILHALGKATPIYLDILG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 89.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

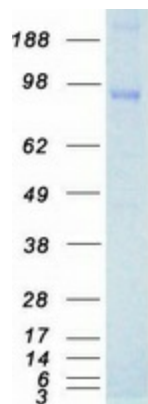
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

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_002521
Locus ID:	4916
UniProt ID:	Q16288
RefSeq Size:	2818
Cytogenetics:	15q25.3
RefSeq ORF:	2475
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# TP313333). The protein was produced from HEK293T cells transfected with NTRK3 cDNA clone (Cat# [RC213333]) using MegaTran 2.0 (Cat# [TT210002]).