

## Product datasheet for **TP313333M**

### 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, 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC213333 representing NM\_002530  
**Red**=Cloning site **Green**=Tags(s)

MDVSLCPAKCSFWRIFLLGSWLDYVGSVLACPANCVCSTEINCRRPDDGNLFP LLEGQDSGNSNGNAS  
INITDISRNITSIHIENWRS LHTLNAVDMELYTGLQKLTIKNSGLRSIQPRAFAKNPHLR YINLSSNRLT  
TLWQLFQTL SLRELQLEQNFFNCSDIRWMQLWQE QGEAKLNSQNL YCINADGSQ LPLFRMNISQC DLP  
EISVSHVNLTVREGDNAVITCNGSGSPLPDVDWIVTGLQSINTHQTNLNWTVHAINLTLVNVTS EDNGF  
TLTCIAENVVGM SNASVALTVYPPRVVSLEEP ELRLEHCIEFVVRGNPPPTLH WLHNGQPLRESKIIHV  
EYYQEGEISEGCLLFNKPTHYNNGN YTLIAKNPLGTANQTINGHFLKEPFPESTDNFILFDEVSP TPIPIT  
VTHKPEEDTFGVSIAVGLAAFA CVLLVLFVMINKYGRRSKFGMKGPVAVISGEEDSASPLHHINHGITT  
PSSLDAGPDTVIGMTRIPVIENPQYFRQGHNCHKPDTYVQH IKRRDIVLKRELGE GAFGKVFLAECYNL  
SPTKDKMLVAVKALKDPTLAARKDFQREAE LLTNLQHEHIVKFGVCGDGDPLIMVF EYMKHGD LNKFLR  
AHGPDAMILVDGQPRQAKGELGLS QMLHIASQIASGMVYLASQHFVHRDLATRNCLV GANLLVKIGDFGM  
SRDVYSTDYRVGGHTMLPIRWMPPESIMYRKFTTESDVWSFGVILWEIFTY GKQPWFQLSNTEVIECIT  
QGRVLERPRVCPKEVYDVMLGCWQREPQQRLNIKEIYKILHALGKATPIYLDILG

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

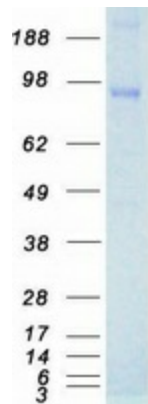
**Tag:** C-Myc/DDK  
**Predicted MW:** 89.3 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002521</a>
<b>Locus ID:</b>	4916
<b>UniProt ID:</b>	<a href="#">Q16288</a> , <a href="#">X5D7M5</a>
<b>RefSeq Size:</b>	2818
<b>Cytogenetics:</b>	15q25.3
<b>RefSeq ORF:</b>	2475
<b>Synonyms:</b>	gp145(trkC); GP145-TrkC; TRKC
<b>Summary:</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. [provided by RefSeq, Jul 2011]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Protein Pathways:</b>	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]).