

## Product datasheet for **TP303781**

### TrkC (NTRK3) (NM\_001007156) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

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

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC203781 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MDVSLCPAKCSFWRIFLLGSVWLDYVGSVLACPANCVCCKTEINCRPPDDGNLFPPLLEGQDSGNSNGNAS  
INITDISRNITSIHIENWRSLSLHTLNAVDMELYTGLQKLTIKNSGLRSIQPRAFAKNPHLRYINLSSNRLT  
TLWQQLFQTLRELQLEQNFFNCSCDIRWMQLWQEQGEAKLNSQONLYCINADGSQPLPLFRMNISQCDLP  
EISVSHVNLTVREGDNAVITCNGSGSPLPDVDWIVTGLQSINTHQTNLNWNTNVHAINLTLVNVTSEDNGF  
TLTCIAENVVGMNASVALTVYPPRVVSLEPELRLEHCIEFVVRGNPPPTLHWHLHNGQPLRESKIIHV  
EYYQEGEISEGCLLFNKPTHYNNNGNYTLIAKNPLGTANQTINGHFLKEPFPESTDNFILFDEVSPPTPIT  
VTHKPEEDTFGVSIAVGLAAAFACVLLVLFVMINKYGRRSKFGMKGPVAVISGEEDSASPLHHINHGITT  
PSSLDAGPDTVIGMTRIPVIENPQYFRQGHNCHKPDTWVFSNIDNHGILNLKDNDRDHLVPSTHYIYEEP  
EVQSGEVSYPRSHGFREIMLNPISLPGHSLKPLNHGIYVEDVNVYFSKGRHGF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 64.9 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.

**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.



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**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\\_001007157](#)

**Locus ID:** 4916

**UniProt ID:** [Q96CY4](#)

**RefSeq Size:** 4141

**Cytogenetics:** 15q25.3

**RefSeq ORF:** 1836

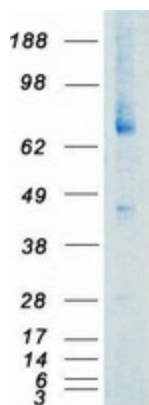
**Synonyms:** gp145(trkC); GP145-TrkC; TRKC

**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# TP303781). The protein was produced from HEK293T cells transfected with NTRK3 cDNA clone (Cat# [RC203781]) using MegaTran 2.0 (Cat# [TT210002]).