

Product datasheet for **TP313091M**

TrkA (NTRK1) (NM_001012331) Human Recombinant Protein

Product data:

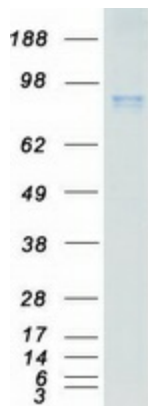
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human neurotrophic tyrosine kinase, receptor, type 1 (NTRK1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213091 representing NM_001012331 Red =Cloning site Green =Tags(s)
	<p>MLRGRRGQLGWHSWAAGPGSLLAWLILASAGAAPCPDACCPHGSSGLRCTRDRGALDSLHHLPGAENLTE LYIENQQHLQHLELRDLRGLGELRNLTIVKSGLRVAPDAFHFTPRLSRLNLSFNAESLSWKTVQGLSL QELVLSGNPLHCSCALRWLQRWEEGLGGVPEQKLQCHGQGPLAHMPNASCVPTLKVQVPNASVDVGD VLLRCQVEGRGLEQAGWILTELEQSATVMKSGGLPSLGLTLANVTSDLNRKNLTCWAENDVGRAEVSQV NVSFPASVQLHTAVEMHHWCIPFSVDGQPAPSLRWLFNGSVLNETSFIFTEFLEPAANETVRHGCLRLNQ PTHVNNGNYYLLAANPFGQASASIMAAFMDNPFEPEDPIPDTNSTSGDPVEKKDETDFGVSVAVGLAV FACFLSTLLLVLNKCGRRNKFGINRPAVLAPEDGLAMSLHFMTLGGSSLSPTTEGKGGSLQGHIIENPQY FSDACVHHIKRRDIVLKWELGEGAFGKVFLEACHNLLPEQDKMLVAVKALKEASESARQDFQREALLTM LQHQHIVRFFGVCTEGRPLLMVFYMRHGDLNRFLRSHGPDAKLLAGGEDVAPGPLGLGQLLAVASQVAA GMVYLAGLHFVHRDLATRNCLVGGQLVVKIGDFGMSRDIYSTDYRVRGGRTMLPIRWMPPELILYRKF ESDVWSFGVVLWEIFTYGKQPWYQLSNTAIDCITQGRELERPRACPPEVYAIMRGCWQREPQQRHSIKD VHARLQALAQAPPVYLDVVG</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	86.7 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_001012331](#)
- Locus ID:** 4914
- UniProt ID:** [P04629](#), [X5DR71](#)
- RefSeq Size:** 2647
- Cytogenetics:** 1q23.1
- RefSeq ORF:** 2370
- Synonyms:** MTC; p140-TrkA; TRK; Trk-A; TRK1; TRKA
- Summary:** This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, cognitive disability and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date. [provided by RefSeq, Jul 2008]
- Protein Families:** Druggable Genome, Protein Kinase, Transmembrane
- Protein Pathways:** Apoptosis, Endocytosis, MAPK signaling pathway, Neurotrophin signaling pathway, Pathways in cancer, Thyroid cancer

Product images:



Coomassie blue staining of purified NTRK1 protein (Cat# [TP313091]). The protein was produced from HEK293T cells transfected with NTRK1 cDNA clone (Cat# [RC213091]) using MegaTran 2.0 (Cat# [TT210002]).