

Product datasheet for **TP700134**

TrkA (NTRK1) (NM_001012331) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human neurotrophic tyrosine kinase, receptor, type 1 (NTRK1), transcript variant 1, with C-terminal DDK/His tag, expressed in human cells
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC600034, encoding the extracellular domain (Ala33-Gly417) of human NTRK1
Tag:	C-DDK/His
Predicted MW:	45 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
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:	1251
Synonyms:	MTC; p140-TrkA; TRK; Trk-A; TRK1; TRKA



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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: