

## Product datasheet for **TP700135**

### TrkB (NTRK2) (NM\_001018064) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of human neurotrophic tyrosine kinase, receptor, type 2(NTRK2), transcript variant c, with C-terminal DDK/His tag, expressed in human cells, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC600035, encoding the region (Cys32-His430) of human KIT
Tag:	C-DDK/His
Predicted MW:	47 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:	<a href="#">NP_001018074</a>
Locus ID:	4915
UniProt ID:	<a href="#">Q16620</a> , <a href="#">Q5VWE5</a> , <a href="#">Q548C2</a>
RefSeq Size:	8647
Cytogenetics:	9q21.33
RefSeq ORF:	2469
Synonyms:	DEE58; EIEE58; GP145-TrkB; OBHD; trk-B; TRKB



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**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. Mutations in this gene have been associated with obesity and mood disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

**Protein Families:**

Druggable Genome, Protein Kinase, Transmembrane

**Protein Pathways:**

MAPK signaling pathway, Neurotrophin signaling pathway

**Product images:**