

## Product datasheet for **TP720421**

### TrkB (NTRK2) (NM\_001007097) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human neurotrophic tyrosine kinase, receptor, type 2 (NTRK2), transcript variant b
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Cys32-His430
Tag:	C-His
Predicted MW:	45.2 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001007098</a>
Locus ID:	4915
UniProt ID:	<a href="#">Q16620</a> , <a href="#">Q5VWE5</a>
Cytogenetics:	9q21.33
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:**