

## Product datasheet for TP305129

### 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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205129 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MSSWIRWHGPAMARLWGFCWLVGFWRAAFACPTSCCKCSASRIWCSDPSGIVAFPRLEPNSVDPENITE IFIANQKRLEIINEDDVEAYVGLRNLTIIVDSGLKFVAHKAFLKNSNLQHINFTRNKLTSLSRKHFRHLDL SELILVGNPFTCSCDIMWIKTLQEAKSSPDTQDLYCLNESSKNIPLANLQIPNCGLPANLAAPNLTVEE GKSITLSCSVAGDPVPNMYWDVGNLVSKHNMNETSHTQGSLRITNISDDSGKQISCVAENLVGEDQDSVN LTVHFAPTITFLESPTSDHHWCIPFTVKGNPKPALQWFYNGAILNESKYICTKIHVNTNHEYHGCQLQDN PTHMNNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYEDYGTAANDIGDTTNRNSNEIPST DVTDKTGREHLSVYAVVVIASVVGFCLLVLMFLLLKLARHSKFGMKGFVLFHKIPLDG</p> <p><b>TR</b>TRPLE<b>QKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	49.3 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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_001007098](#)

Locus ID: 4915

UniProt ID: [Q16620](#), [Q5VWE5](#)

RefSeq Size: 7157

Cytogenetics: 9q21.33

RefSeq ORF: 1431

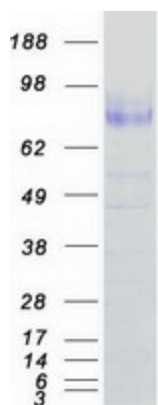
Synonyms: DEE58; EIEE58; GP145-TrkB; OBHD; trk-B; TRKB

**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:



Coomassie blue staining of purified NTRK2 protein (Cat# TP305129). The protein was produced from HEK293T cells transfected with NTRK2 cDNA clone (Cat# [RC205129]) using MegaTran 2.0 (Cat# [TT210002]).