

Product datasheet for TP321794

TrkB (NTRK2) (NM_006180) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human neurotrophic tyrosine kinase, receptor, type 2 (NTRK2), transcript variant a, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221794 representing NM_006180 Red =Cloning site Green =Tags(s)

MSSWIRWHGPAMARLWGFCLVVGFWRAAFACPTSCCKSASRIWCSDPSPGIVAFPRLEPNSVDPENIT
E
IFIANQKRLEIINEDDVEAYVGLRNLTVDSGLKFVAHKAFKNSNLQHINFRNKLTSLSRKHFRLDL
SELILVGNPFTCSCDIMWIKTLQEAKSSPDTQDLYCLNESSKNIPLANLQIPNCGLPSANLAAPNLVVEE
GKSITLSCSVAGDPVPMYWDVGNLVSKHMNETSHTQGLRITNISSDDSGKQISCVAENLVGEDQDSV
N
LTVHFAPTITFLESPTSDDHWCIPFTVKGNPKPALQWFYNGAILNESKYICTKIHVNTNHTTEYHGCLQLDN
PTHMNNGDYTLIAKNEYGKDEKQISAHFMGWPGIDGANNPNYPDVIYEDYGTAAANDIGDTTNRNEIPST
DVTDKTGREHLSVYAVVVIASVVGFCLLVMLFLLKLARHSKFGMKDFSWFGFGKVKSRQGVGPASVISND
DDSASPLHHISNGSNTPSSEGGPDAVIIGMTKIPVIENPQYFGITNSQLKPDFTVQHIKRHNIVLKREL
GEGAFGKVFLAECYNLCPEQDKILVAVKTLKDasDNARKDFHREAELLTNLQHEHIVKFYGVCEGDPLI
MVFEYMKHGDNLKFLRAHGPDVLAEGNPPELTQSQMLHIAQQAAGMVYLASQHFVHRDLATRN
CLV
GENLLVKIGDFGMSRDVYSTDYRVGGHTMLPIRWMPPESIMYRKFTTESDVWSLGVVLWEIFTYGKQPW
YQLSNNEVICITQGRVLQRPRTCPQEVYELMLGCWQREPHMRKNIKGIHTLLQNLAKASPVYLDILG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

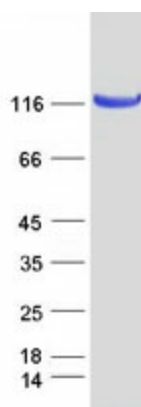
Tag:	C-Myc/DDK
Predicted MW:	90.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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.
RefSeq:	NP_006171
Locus ID:	4915
UniProt ID:	Q16620
RefSeq Size:	5608
Cytogenetics:	9q21.33
RefSeq ORF:	2514
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# TP321794). The protein was produced from HEK293T cells transfected with NTRK2 cDNA clone (Cat# [RC221794]) using MegaTran 2.0 (Cat# [TT210002]).