

Product datasheet for **TP314874M**

TTBK1 (NM_032538) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human tau tubulin kinase 1 (TTBK1), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC214874 representing NM_032538
Red=Cloning site Green=Tags(s)

MQCLAAALKDETNSGGGEQADILPANYVVKDRWKVLKIGGGGFGEIYEAMDLLTRENVALKVESAQQP
 KQVLKMEVAVLKKLQGDHVCFIGCRNEKFNYVVMQLQGRNLADLRRSQPRGTFTLSTLRLGKQILE
 SIEAIHSVGFHLHRDIKPSNFAMGRLPSTYRKCYNLDFGLARQYNTTGDVRRPNVAGFRGTVRYASVNA
 HKNREMGRHDDLWSLFYMLVEFAVGQLPWRKIKDKEQVGMIKEKEYEHRMLLKHMPSFHLFLDHIASLDY
 FTKPDYQLIMSVFENSMKERGIAENEAFFDWEKAGTDALLSTSTSTPPQQNTRQTAAMFGVVNVPVPGDL
 LRENTEDVLQGEHLSAQENAPPILPGRPSEGLGSPHLVPHPGGPEAEVWEETDVNRNKLRLINIGKSPCV
 EEEQSRGMGVPSSPVRAPPDSPTTPVRSRSLYRRVNSPESERLSTADGRVELPERRSRMDLPGSPSRQACS
 SQPAQMLSVDTGHADRQASGRMDVSASVEQEALSNAFRSVPLAEEEDFDSKEWVIIDKETELKDFPPGAE
 PSTSGTTDEEPEELRPLPEEGEERRRLGAETVPRGRSMQALAEEDLQHLPPQPLPPQLSQDGRSETS
 QPPTPGSPSHSPLHSGPRRRRESPTGQQRQVFSVAPPFEVNGLPRAVPLSLPYQDFKRDLSYRERAR
 LLNRVRRVGFHMLLTTPQVPLAPVQPQANGKEEEEEEEEEDEEEEEDEEEEEEEEEEEEEEEEEEEEE
 EAAAVALGEVLGPRSGSSSEGERSTDRSQEGAPSTLLADDQKESRGRASMDGDLEPEEGSKTLVLVS
 PGDMKKSPVTAELAPDPDLGTLAALTPQHERPQPTGSQLDVSEPGTLSSVLKSEPKPPGPGAGLGAGTVT
 TGVGGVAVTSSPFTKVERTFVHIAEKTHLNMSSGGQALRSEEFSAAGGELGLELASDGGAVEEGARAPLE
 NGLALSGLNGAEIEGSALSAGPRETPSEMATNSLPNGPALADGPAPVSPLEPSPEKVATISPRRHAMPGS
 RPRSRIPVLLSEEDTGSEPSGSLSAKERWSKRARPQQDLARLVMKRQGRLLRLASGASSSSSEEQRRA
 SETLSGTGSEEDTPASEPAAALPRKSGRAAATRSRIPRPIGLRMPMPVAAQQPASRSHGAAPALDTAITS
 RLQLQTPPGSATAADLRPKQPPGRGLGPGRAQAGARPPAPRSPRLPASTSAARNASASPRSQSLSRRESP
 SPSHQARPGVPPRGVPPARAQPDGTPSPGGSKKGRGKLAQQRATTKGRAGGAEGRAGAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

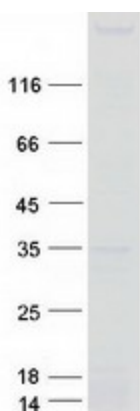
Tag: C-Myc/DDK
Predicted MW: 142.6 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method



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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.
RefSeq:	NP_115927
Locus ID:	84630
UniProt ID:	Q5TCY1
RefSeq Size:	7128
Cytogenetics:	6p21.1
RefSeq ORF:	3963
Synonyms:	BDTK
Summary:	Summary:This gene belongs to the casein kinase 1 superfamily. The encoded protein is a neuron-specific, serine/threonine and tyrosine kinase, which regulates phosphorylation of tau, a protein that associates with microtubule assemblies and stabilizes them. Genetic variants in this gene are associated with Alzheimer's disease. [provided by RefSeq, Jul 2016]
Protein Families:	Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified TTBK1 protein (Cat# [TP314874]). The protein was produced from HEK293T cells transfected with TTBK1 cDNA clone (Cat# [RC214874]) using MegaTran 2.0 (Cat# [TT210002]).