

Product datasheet for PH314874

TTBK1 (NM_032538) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards
Description: TTBK1 MS Standard C13 and N15-labeled recombinant protein (NP_115927)
Species: Human
Expression Host: HEK293
Expression cDNA Clone or AA Sequence: RC214874
Predicted MW: 143.2 kDa
Protein Sequence: >RC214874 representing NM_032538
Red=Cloning site Green=Tags(s)

MQCLAAALKDETMSGGGEQADILPANYVVKDRWVVKKIGGGGFGEIYEAMDLLTRENVALKVESAQQP
 KQVLKMEVAVLKKLQGGKDHVCRFIGCGRNEKFNYVVMQLQGRNLADLRRSQPRGTFSTTLRLGKQILE
 SIEAIHVSVGLHRDIKPSNFAMGRPLSTYRKYMLDFGLARQYNTTGDVRRPRNVAGFRGTVRYASVNA
 HKNREMGRHDDLWSLFYMLVEFVAVGQLPWRKIKDKEQVGMKEKYEHRMLLKHPSEFHLFDHIASLDY
 FTKPDYQLIMSVFENSMKERGIAENEAFDWEKAGTDALLSTSTSTPPQQNTRQTAAMFGVNVNTPVPGDL
 LRENTEDVLQGEHLSDQENAPPILPGRPSEGLGPSPLVPHPGGPEAEVWEETDVNRNKLRLINIGKSPCV
 EEEQSRGMGVPSSPVRAPPDSTTPVRSRLRYRRVNSPESERLSTADGRVELPERRSRMDLPGSPSRQACS
 SQPAQMLSVDTGHADRQASGRMDVSASVEQEALSNFRSVPLAEEDFDKSEWVIIDKETELKDFPPGAE
 PSTSGTTDEEPEELRPLPEEGEERRRLGAETVRRPRGRSMQALAEEDLQHLPPQLPPLQSQGDGRSETS
 QPPTPGSPSHSPLHSGPRRRRESPTGPQRQVFSVAPPFEVNGLPRAVPLSLPYQDFKRDLSDYRERAR
 LLNRVRRVGFVSHMLLTPQVPLAPVQPQANGKEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
 EAAAAVALGEVLGPRSGSSSEGSRSTDRSQEGAPSTLLADDQKESRGRASMDGDLEPEEGSKTLVLVS
 PGDMKSPVTAELAPDPLGTLAALTPQHERPQPTGSQLDVSEPGTLSSVLKSEPKPPGAGLGGAGTGT
 TGVGAVVAVTSSPFTKVERTFVHIAEKTHLNMSSGGQALRSEEF SAGGELGLELASDGGAVEEGARAPLE
 NGLALSGLNGAEIEGSALSGAPRETPSEMATNSLPNGPALADGPAPVSPLEPSPEKVATISPRRHAMPGS
 RPRSRIPVLLSEEDTGSEPSGSLSAKERWSKRARPQDLARLVMEKRQGRLLRLASGASSSSSEEQRRA
 SETLSGTGSEEDTPASEPAAALPRKSGRAAATRSRIPRPIGLRMPMPVAAQQPASRSHGAAPALDTAITS
 RLQLQTPPGSATAADLRPKQPPGRGLGPGRAQAGARPPAPRSPRLPASTSAARNASASPRSQSLSRRESP
 SPSHQARPGVPPRGPVPPARAQPDGTPSPGSKKGPGRKLAQQRATTKGRAGGAEGRAGAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration: >0.05 µg/µL as determined by microplate BCA method



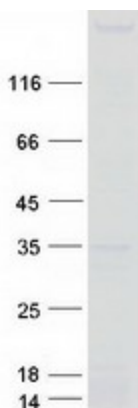
[View online »](#)

Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_115927
RefSeq Size:	7128
RefSeq ORF:	3963
Synonyms:	BDTK
Locus ID:	84630
UniProt ID:	Q5TCY1
Cytogenetics:	6p21.1

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]).