

Recombinant Full Length Human TTBK1 Protein, C-Flag-tagged

Cat. No. TTBK1-810HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TTBK1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	142.6 kDa
AA Sequence	MQCLAAALKDETNMSGGGEQADILPANYVVKDRWKVLKKIGGGGFGEIYEAMDLLT RENVALKVESAAQQP KQVLKMEVAVLKKLQGKDHVCRFIGCGRNEKFNYVVMQLQG RNLADLRRSQPRGTFTLSTTLRLGKQILE SIEAIHSVGFLHRDIKPSNFAMGRLPSTY RKCYMLDFGLARQYTNTTGDVRPPRNVAGFRGTVRYASVNA HKNREMGRHDDLW SLFYMLVEFAVGQLPWRKIKDKEQVGMIEKEYEHRMLLKHMPSEFHLFLDHIASLDY FTKPDYQLIMSVFENSMKERGIAENEAFDWEKAGTDALLSTSTSTPPQQNTRQTAA MFGVVNVTPVPGDL LRENTEDVLQGEHLSDQENAPPILPGRPSEGLGSPHLPVHP

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GGPEAEVWEETDVNRNKLRLINIGKSPCV EEEQSRGMGVPSSPVRAPPDSPPTTPVR
 SLRYRRVNSPESERLSTADGRVELPERRSRMDLPGSPSRQACS SQPAQMLSVDT
 GHADRQASGRMDVSASVEQEALSNAFRSVPLAEEEDFDSKEWVIIDKETELKDFPP
 GAE PSTSGTTDEEPEELRPLPEEGEERRRLGAETVRPRGRSMQALAEEDLQHLP
 PQPLPPQLSQGDGRSETS QPPTPGSPSHSPLHSGPRPRRRESPTGPQRQVFSV
 APPFEVNGLPRAVPLSLPYQDFKRDLSYRERAR LLNRVRRVGFHMLLTTPQVPL
 APVQPQANGKEEE EAAAAVA
 LGEVLGPRSGSSSEGSESTDRSQEGAPSTLLADDQKESRGRASMADGDLEPEEG
 SKTLVLVS PGDMKKSPVTAELAPDPLGTLAALTPQHERPQPTGSQLDVSEPGTLS
 SVLKSEPKPPGPGAGLGAGTVT TGVGGVAVTSSPFTKVERTFVHIAEKTHLNMSS
 GGQALRSEEFSSAGGELGLELASDGGAVEEGARAPLE NGLALSGLNGAEIEGSALS
 GAPRETPSEMATNSLPNGPALADGPAPVSPLEPSPEKVATISPRRHAMPGS RPRS
 RIPVLLSEEDTGSEPSGSLSAKERWSKRARPQQDLARLVMEKRQGRLLLRLASGAS
 SSSSEEQRRRA SETLSGTGSEEDTPASEPAAALPRKSGRAAATRSRIPRPIGLRMPM
 PVAAQQPASRSHGAAPALDTAITS RLQLQTPPGSATAADLRPKQPPGRGLGPGRA
 QAGARPPAPRSPRLPASTSAARNASASPRSQSLSRRESP
 SPSHQARPGVPPPRGVPPARAQPDGTPSPGGSKKGPRGKLQAQRATTKGRAGGA
 EGRAGARTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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Protein Families	Druggable Genome, Protein Kinase
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Full Length	Full L.
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GENE INFORMATION

Gene Name	TTBK1 tau tubulin kinase 1 [Homo sapiens (human)]
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Official Symbol	TTBK1
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Synonyms	BDTK
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Gene ID	84630
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mRNA Refseq	NM_032538.3
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Protein Refseq	NP_115927.1
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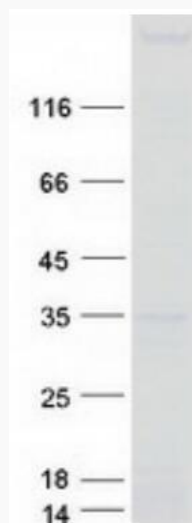
MIM	619415
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UniProt ID	Q5TCY1
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Coomassie blue staining of purified TTBK1 protein.

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