

Recombinant Human TTBK1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. TTBK1-073H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | TTBK1 MS Standard C13 and N15-labeled recombinant protein (NP_115927) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| Species | Human |
| Source | HEK293 |
| Description | 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. |
| Molecular Mass | 143.2 kDa |
| AA Sequence | <p>MQCLAAALKDETMSGGGEQADILPANYVVKDRWKVLKKGGGGFGEIYEAMDLLT RENVALKVESAAQPKQVLKMEVAVLKQLGKDHVCRFIGCGRNEKFNYVVMQLQG RNLADLRRSQPRGFTLSTTLRLGKQILEIAIHSVGLHRDIKPSNFAMGRLPSTY RKCVMDFGLARQYTNNTGDVPRPNVAGFRGTVRYASVNAHKNREMGRHDDLW SLFYMLVEFAVGQLPWRKIKDKEQVGMKEKYEHRMLLKHPSEFHLFLDHIASLDY FTKPDYQLIMSVFENSMKERGIAENEAFDWEKAGTDALLSTSTSTPPQQNTRQTAA MFGVVNVTPVPGDLLRENTDVLQGEHLSDQENAPPILPGRPSEGLGSPHLPVPH GGPEAEVWEETDVNRNKLRLINIGKSPCVVEEQSRGMGVPSSPVRAPPDSPTTPVRS</p> |

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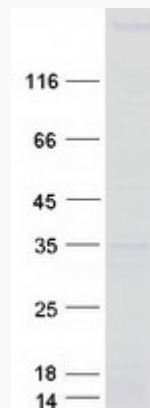
 45-1 Ramsey Road, Shirley, NY 11967, USA

LRYRRVNSPESERLSTADGRVELPERRSRMDLPGSPSRQACSSQPAQMLSVDTGH
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 EPSTSGTTDEEPEELRPLPEEGEERRRLGAEPTVRPRGRSMQALAEEDLQHLPPQP
 LPPQLSQGDGRSETSQPPTPGSPSHSPLHSGPRPRRRESPTGPQRQVFSVAPPF
 EVNGLPRAVPLSLPYQDFKRDLSDYRERARLLNRVRRVGFHMLLTTPQVPLAPVQ
 PQANGKEEEAAAAVALGEVL
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 EPKPPGPGAGLGAGTVTTGVGGVAVTSSPFTKVERTFVHIAEKTHLNMSSGGQAL
 RSEEFSAAGGELGLELASDGGAVEEGARAPLENGLALSGLNGAEIEGSALSGAPRET
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 RRASETLSGTGSEEDTPASEPAAALPRKSGRAAATRSRIPRPIGLRMPMPVAAQQP
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 PRSPRLPASTSAARNASASPRSQSLSRRESPSPSHQARPGVPPPRGVPPARAQPD
 GTPSPGGSKKGRGKLQAQRATTKGRAGGAEGRAGARTRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

| | |
|-----------------------|--|
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Stability | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| Storage | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. |
| Concentration | 50 µg/mL as determined by BCA |
| Storage Buffer | 100 mM glycine, 25 mM Tris-HCl, pH 7.3. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | TTBK1 tau tubulin kinase 1 [Homo sapiens (human)] |
| Official Symbol | TTBK1 |
| Synonyms | TTBK1; tau tubulin kinase 1; BDTK; tau-tubulin kinase 1; brain-derived tau kinase; EC 2.7.11.1 |
| Gene ID | 84630 |
| mRNA Refseq | NM_032538 |
| Protein Refseq | NP_115927 |
| UniProt ID | Q5TCY1 |

SDS-PAGE


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