

Product datasheet for **SC305468**

TTBK1 (NM_032538) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TTBK1 (NM_032538) Human Untagged Clone
Tag: Tag Free
Symbol: TTBK1
Synonyms: BDTK
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032538 edited
 ATGCAGTGCCTAGCGGCCCCCTTAAGGACGAAACCAACATGAGTGGGGGAGGGAGCAG
 GCCGACATCCTGCCGGCCAACACTACGTGGTCAAGGATCGCTGGAAGGTGCTGAAAAAGATC
 GGGGGCGGGGGCTTTGGTGAGATCTACGAGGCCATGGACCTGCTGACCAGGGAGAATGTG
 GCCCTCAAGGTGGAGTCAGCCCAGCAGCCAAGCAGGTCCTCAAGATGGAGGTGGCCGTG
 CTCAAGAAGTTGCAAGGGAAGGACCATGTGTGCAGTTTATTGGCTGTGGCAGGAACGAG
 AAGTTTAACTATGTAGTGATGCAGCTCCAGGGCCGAACCTGGCCGACCTGCGCCGTAGC
 CAGCCCGAGGCACCTTTCAGCTGAGCACCACATTGCGGTGGGCAAGCAGATCTTGGAG
 TCCATCGAGGCCATCCACTCTGTGGGCTTCTGCACCGTGACATCAAGCCTTCAAACCTT
 GCCATGGGCAGGCTGCCCTCCACCTACAGGAAGTGCTATATGCTGGACTTCGGGCTGGCC
 CGGCAGTACACCAACACCACGGGGGATGTGCGGCCCCCTCGGAATGTGGCCGGGTTTCGA
 GGAACGGTTCGCTATGCCTCAGTCAATGCCACAAGAACCAGGGAGATGGGCCGCCACGAC
 GACCTGTGGTCCCTCTTCTACATGCTGGTGGAGTTTGCAGTGGGCCAGCTGCCCTGGAGG
 AAGATCAAGGACAAGGAACAGGTAGGGATGATCAAGGAGAAGTATGAGCACCCGATGCTG
 CTGAAGCACATGCCGTGACAGTTCCACCTTCTCCTGGACCACATTGCCAGCTCGACTAC
 TTCACCAAGCCCGACTACCAGTTGATCATGTGAGTGTGAGAACAGCATGAAGGAGAGG
 GGCATTGCCGAGAATGAGGCCTTGGACTGGGAGAAGGCAGGCACCGATGCCCTCCTGTCC
 ACGAGCACCTCTACCCCGCCAGCAGAACACCCGGCAGACGGCAGCCATGTTTGGGGTG
 GTCAATGTGACGCCAGTGCCTGGGGACCTGCTCCGGGAGAACCAGGAGATGTGCTACAG
 GGAGAGCACCTGAGTGACAGGAGAATGCACCCCAATTCTGCCCGGAGGCCCTCTGAG
 GGGCTGGGCCCCAGTCCCCACCTTGTCCCCACCCGGGGTCTGAGGCTGAAGTCTGG
 GAGGAGACAGATGTCAACCGGAACAACTCCGGATCAACATCGGCAAAAGCCCTGTGTG
 GAGGAGGAACAGAGCCGAGGCATGGGGTCCCCAGCTCCCCAGTGCCTGCCCCCAGAC
 TCCCCACAACCCAGTCCGTTCTCTGCGCTACCGGAGGGTGAACAGCCCTGAGTCAGAA
 AGGCTGTCCACGGCGGACGGGCGAGTGGAGCTACCTGAGAGGAGGTCACGGATGGATCTG
 CCTGGCTCGCCCTCGCGCCAGGCTGCTCCTCTCAGCCAGCCAGATGCTGTGAGTGGAC
 ACAGGCCAGCTGACCGACAGGCCAGTGGCCGCATGGACGTGTCAGCCTCTGTGGAGCAG



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GAGGCCCTGAGCAACGCCTTCCGCTCGGTGCCGCTGGCTGAGGAGGAGGATTTCCACAGC
 AAAGAGTGGGTATCATCGACAAGGAGACGGAGCTCAAGGACTTCCCTCCAGGGGCTGAG
 CCCAGCACATCGGGCACCACGGATGAGGAGCCCAGGAGCTGCGGCCACTGCCCGAGGAG
 GGCGAAGAGCGGGCGGGCTGGGGCAGAGCCCACCGTCCGGCCCCGGGGACGCAGCATG
 CAGGGCTGGCGGAGGAGACCTGCAGCATTGCCGCCACAGCCCTGCCACCCAGCTG
 AGCCAGGGCGATGGCCGTTCCGAGACGTACAGCCCCACGCCCTGGCAGCCCTCCCAC
 TCACCCCTGCACTCGGGACCCCGCCCTCGACGGAGAGAGTCGGACCCACAGGCCACAG
 AGACAGGTGTTCTCCGTGGCGCCCCATTGAGGTGAATGGCTCCACAGACTGTGCCT
 CTGAGTCTGCCCTACCAGGACTTCAAAAGAGACCTCTCCGATTACCGAGAACGGGCGCGG
 TTGCTCAACAGGGTCCGGAGGGTGGCTTCTCGCACATGCTGCTCACCACCCCCAGGTC
 CCACTGGCTCCTGTTACGCTCAGGCTAATGGGAAGGAGGAAGAGGAGGAGGAGGAA
 GATGAGGAAGAGGAAGAAGAGGATGAGGAAGAAGAAGAGGAGGAAGAGGAAGAGGAGG
 GAAGAAGAGGAGGAGGAGGAAGAGGAGGAGGAGGCTGCAGCGCAGTTCCCTTGGGGAG
 GTGCTGGGGCTCGTAGTGGCTCCAGCAGTGAGGGGAGTGAGAGGAGACTGACCCGAGC
 CAGGAGGGTGCCCGTCCACGCTGCTGGCAGACGATCAGAAGGAGTCCAGGGGCCGGCC
 TCCATGGCCGATGGGGACCTGGAGCCTGAGGAGGGCTCCAAAACGCTGGTGTCTCT
 CCTGGCGACATGAAGAAGTCGCCCGTCACTGCCGAAGTGGCCCCGACCCGACCTGGGC
 ACCCTGGCTGCCCTCACTCCTCAGCATGAGCGGCCACGCCAGCCAGCCAGCTGGAC
 GTATCTGAGCCAGGCACCCTGTCCTCTGTCCTCAAGTCTGAGCCCAAGCCCCGGGGCT
 GGGGCAGGGCTGGGGGCCGGACAGTGACCACAGGGGTGGGGGGCTGGCAGTCACTCC
 TCACCCCTCACAAAGTTGAGAGACCTTTGTGCACATTGCGGAGAAAACCCACCTAAC
 GTCATGTCTCCGGTGGACAAGCCTTCCGGTCTGAGGAGTTCAGCGCTGGGGCGAGCTG
 GGTCTGGAGCTGGCCTCTGATGGGGCCGCTGTGGAGAGGGGGCCGAGCGCCCTGGAG
 AACGGCCTCGCCCTGTCAGGGCTGAATGGGGCTGAGATAGAGGGCTCTGCCCTGTCTGG
 GCCCCCCGGGAAACCCCTCAGAGATGGCCACAAACTCACTGCCAATGGCCCGGCCCTT
 GCAGACGGGCCAGCCCCGTGTCGCCGCTGGAGCCAAGCCCTGAGAAAAGTGGCCACCATC
 TCCCCAGACGCCATGCTATGCCAGGCTCTCGCCCCAGGAGCCGTATCCCTGTCTGCTC
 TCTGAGGAGGACACGGGCTCGGAGCCCTCAGGCTCACTGTCCGCCAAGAGCGGTGGAGC
 AAGCGGGCTCGGCCGACAGGACCTGGCGGGCTGGTATGGAGAAGAGGCAGGGCCGC
 CTGCTGTTGCGGCTGGCCTCAGGGGCTCGTCTCTCCAGTGAGGAGCAGCGCCGTGCC
 TCTGAGACCTCTCAGGCACGGGCTCTGAGGAGGACACGCCCGCCTCTGAGCCGGCAGCG
 GCCTTGCCAGGAAGAGCGGGAGGGCAGCGCCACCAGGAGCCGATTCCCGGCCCCATT
 GGCTCCGCATGCCATGCCTGTTGCAGCCAGCAGCCCGCCAGCAGATCCCATGGCGCG
 GCCCCAGCATTGGACACAGCCATCACCAGCAGGCTCCAGCTGCAGACGCCCCAGGGTCG
 GCCACTGCTGCTGACCTCCGCCCAAACAACCTCCTGGCCGCGGCTGGGCCAGGGCGA
 GCCAAGCCGGAGCCAGGCCCCAGCGCCGCGCAGCCCGCCTCCCGCGTCCACATCC
 GCCGCGCAATGCCAGCGGTCCCCCGGAGCCAGTCCCTGTCCCGCAGAGAGAGCCCC
 TCCCCCTCGACCAGGCCCGCCGGGTCCCCCGCCCGGGGGCTCCCGCCGGCCCGG
 GCCAGCCTGATGGCACCCTCCCCGGGGTCCAAGAAAGGACCCAGAGGGAAACTC
 CAGGCTCAGCGCAACAACCAAGGCCGGCAGGAGGCCGGAGGGCCGGCTGGGGCC
 AGATAA

Restriction Sites:

Please inquire

ACCN:

NM_032538

Insert Size:

4000 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	There is 2 nucleotide difference between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the sub of 2 aa.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_032538.1 , NP_115927.1
RefSeq Size:	7128 bp
RefSeq ORF:	3966 bp
Locus ID:	84630
UniProt ID:	Q5TCY1
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Protein Kinase
Gene 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]