

Product datasheet for MC224207

Ttbk1 (NM_001162864) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttbk1 (NM_001162864) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ttbk1
Synonyms:	AU017937; AW048023; C330008L01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224207 representing NM_001162864 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCACTGCTAGCGGCAGCTCTTAAGGACGAAACCAACATGAGTGGGGAGGGGAGCAGGCCGACATCC
TGCCGGCCAACTACGTGGTCAAAGATCGCTGGAAGGTGCTGAAAAAGATCGGGGGCGGGGCTTCGCTGA
GATCTATGAGGCCATGGACCTGCTGACCAGGGAGAACGTGGCTCTCAAGGTGGAGTCAGCCCAACAGCCT
AAGCAGGTCTCAAGATGGAGGTGGCTGTGCTCAAAAAGCTTCAAGGCAAGGACCAGTGTGAGGTTCA
TTGGCTGTGGCCGTAACGAGAAGTTAACTATGTGGTGTGCAGCTCCAGGGCCGGAACCTGGCTGACCT
GCGCCGACGCCAGCCAAGGGGCACTTTACGTTGAGTACCACACTGCGCCTGGGCAAGCAGATCCTGGAG
TCCATTGAAGCCATTCCTCCGTGGGCTTCTGCACCGTGACATCAAGCCGTCCAACCTTTGCCATGGGCC
GGCTGCCCTCGACCTACAGGAAGTGCTACATGTTGGACTTTGGGCTAGCCAGGCAGTACACTAACACCAC
TGGGGACGTCCGGCCTCCTCGGAATGTGGCCGGTTCCGGGGACTGTCCGCTACGCCTCGGTCAATGCT
CACAAGAACCAGGAGATGGCCGCCATGATGACCTGTGGTCCCTCTTCTACATGCTGGAGTTTGCTG
TGGGCCAGCTGCCCTGGAGGAAGATCAAAGACAAGGAGCAGGTGGGGATGATCAAAGAGAAATACGAGCA
CCGGATGCTACTGAAGCACATGCCATCCGAGTTTCATCTCTTCCCTGGACCACATTGCCAGCCTCGACTAC
TTCACCAAGCCCGATTACCAGTTGATCATGTCACTGTTTGAAGACAGCATGAAGGAGCGGGCATTGCCG
AGAACGAGGCCTTTGACTGGGAGAAGGCAGGCACTGATGCCCTCCTGTCCACGAGCACCTCCACCCACC
CCAGCAGAACACGCGACAGACCGCAGCCATGTTTGGAGTGGTCAATGTGACACCGGTGCCTGGGGACCTG
CTTCGTGAGAACACTGAGGACGTACTGCAGGGAGAGCACCTGAGTGACCAGGAGAACGCACCCCCAATCC
TGCCCGGAGGCCTCCAGAGGGCTTGGGCCCTGGTCCCCATCTTGTTCACCCCTGGGGTCTGAGGC
TGAAGTGTGGGAGGAGACAGATGTCAACCGCAACAACTGCGCATCAACATTGGCAAACCCCTGTGTG
GAGGAAGAGCAGAGTCGAGGAGTAGGGGTCCCCAGTTCGCCAGTGCCTGCCCCCAGACTCCCCAACAA
CCCCAGTGCAGTCTATGCTACCGGAGGGTCAACAGCCAGAGTCGGAGAGGCTGTCTACAGCTGCTGA
TGGTCCGGTAGAGCTGCAGGAGAGGAGGTACGGATGGATCTGCCTGGCTCCCCCTCCCGCAGGCTGC
TCCTCACAACAGCTCAGATGCTGTCAGTGGACACGGGCCATGCTGACAGGCAGGCCAGTGGCCGATGG



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ACGTCTCTGCCTCTGTGGAGCAGGAGGCCCTGAGCAACGCCCTCCGCTCAGTGCCACTGGCTGAGGAGGA
 AGACTTTGACAGCAAGGAGTGGGTCAATTGACAAGGAGACGGAGCTCAAGGACTTCCCTCCCGGGGCT
 GAGCCTAGCACATCAGGCACCACTGATGAAGAGCCCGAGGAGCTGCGGCCCTGCCCGAGGAGGGCGAGG
 AAAGGAGGCGACTGGGGACAGAGCCCACTGTGAGGCCGCTGGACGTGGTATGCACACGCTGACAGAGGA
 GGACCCACGGCAGATGCTGCCCCAGCCTGCACCACCTCAGTTGAGCCAGGCTGATGGCCGGTCAGAGACA
 TCACAGCCACCCACGCCCTGGCAGCCCTCCCACTCTCCCTTGCCTCGGGACCCCGACCTCGACGGAGAG
 AGTCAGATCCCACGGGCCCTCAGAGACAGGTGTTCTCTGTGGCGCCCGTTTCGAGGTGAATGGCCTTCC
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 GCCAGGAGGGCGCCCGTCCCACTGCTGGCTGACGACCAGAAAGAGGCCAGGGGCCGGGCTCCATGGC
 TGATGGGGACCTGGAGCCTGAGGAGGGTCCAAAACGCTGGTCTCGTCTCCCTGGTGACATGAAGAAG
 TCACCAGTCACTGCCAAGTGGCCCGCACCCTGATCTGGGCACCTTGGCTGCGCTCACCCCTCAGCAGC
 AGCGGCCCTCAGCCCACTGGAAGCCAGCTGGACGTATCAGAGCCAGGCACCTTGTCTCCATCCTCAAGTC
 CGAACCAAGCCCTCAGGACCTGGAGCAGGGGGTGGGGTGGGCTGGTGGCCCTGGGGTGGGGTCA
 CGAGTGACGTACCAATCACAAAGTCGAAAGGACTTTTGTTCACATTGCAGAGAAGTCCCACCTCAACG
 TCATGTCTTCCGGGGGACAGGCCCTCAGGCCAGAGGAGTTGAGCACTGGGGGCGAGTTGGGCTGGAGGT
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 CTGGACGGGACTGAGATGGAAAGTTGTCTCTGTGCGGCCCTCCCGGAGAAACGCCCTCAGAAGTAGTCA
 CAGACTCCTTGCCCAATGGGCCAGCCCTTGCTGATGGACCAGCTCCAGCATCCCAACAAGAGCCAGTAAC
 CAAGAAAGGGACACCATCTCCCCAGTCGCCATGCTATGCCAGGATCTCGCCCCAGAAGCCGTATTCCT
 GTCTTGTGTCTGAAGAGGATACAGGCTCAGAGCCTTCCGGCTCACTGTGCGCCAAAGAGCGGTGGAGCA
 AGAGGGCTCGGCCACAGCAGGACCTGGCAGGCTGGTATGGAGAAAAGGCAGGGTGGGCTGTTGCTGCG
 GCTGGCCTCAGGAGCCTCATCCTCTAGTGAGGAGCAGCGCCGTGCCTCTGAGACACTCTCAGGCACT
 GGATCTGAGGAGGACACCTGCCTCAGAACCCACAACAGCCTTGCCTAGGAAGGCTGTGCGGGCAGCGA
 CCACCCGGAGCCGGATTCCCGTCCCATCAGTGTGTCCATGCCTGTGGAAGGCCAGCAGCTTCTGGAAG
 ACCCCACGGTGGCCCTCAGCGACCGACTTGGCCATCACCAGCAGGCTCCAGCTGCAGAAGCCCTCAGGG
 TTGGCCCTGCTGCTGACCTCCGTCCAAACAGTCCGCGAGCCGGGTCCCGGCCAGGTGCGGCCAAG
 TCTCAAGCCCGCAGCACCCGAGTCCCGCCCTCCCGCCTCCACCGCGGCCACCCAGCGGGTCCCC
 GCGGAGCCAGTCCCTGTCCCGTAAAGAGAGTCCCTCCCGCTCGCACCAAGCCCGGCTGGCGTCCCTCCA
 TCCCGGGGGTCTCCAAGTCAGATCTCAGCCGGAGGCCTCCCGGTGGCCCCAAGAAAGGACCAAGG
 GAAACAACACTGCAGACTCAGCGCGCAGCAACCAAGGCCGGGGCGGTGGTTTCAGAGGGTGGCCCGGGG
 CAGATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001162864
- Insert Size:** 3927 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).
- 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:

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_001162864.1](#), [NP_001156336.1](#)

RefSeq Size: 6959 bp

RefSeq ORF: 3927 bp

Locus ID: 106763

UniProt ID: [Q6PCN3](#)

Cytogenetics: 17 C

Gene Summary: Serine/threonine kinase which is able to phosphorylate TAU on serine, threonine and tyrosine residues. Induces aggregation of TAU (By similarity).[UniProtKB/Swiss-Prot Function]