

## Product datasheet for **MC200872**

### Tapbp (NM\_009318) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tapbp (NM_009318) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tapbp
Synonyms:	D17Wsu91e; TPN
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC015074 sequence for NM\_009318  
 CCACGCGTCCGGATCGTAGCACCATGAAGCCTCTGCTCCTGCTCGTCTGCTGGCACTGGGCCTAGCGAC  
 CGTCTGCTCCGCTCGTCTCGGCTGGACCAGAGGGGATCGAGTGTGGTTCGTGGAGGATGCAGGTGGGGT  
 GGCCTGTCTAAGAAACCTGCCACACTGCTACTGCGCCATGGACCCAGGGGACCGCCGCCCGCCAGATC  
 TTGACCCAAAGCTATACTTCAAGGTGGATGACCCGGCGGGAATGCTCCTGGCCGCTTACGGCGGTACCC  
 CGCAGGCGCCTCCGCCCCACACTGCGAGATGAGCCGCTTCCATCCGTTCCCGCCTCGGCGAAGTGGGT  
 AGAAGTCTGAGTCCGGAGCAGAAGTCCCGCGGGCCCTGGACGGGATTGGCTGTGGTGCAGGTATCCA  
 GCACTCTCTTACGCTCTCCAGCCTGCTGCGACCACAGCCGGAGCCTCTGCGGGAGCCTGTCTCATCAC  
 CATGGCAACAGTGGTGTGACCGTCTCACCCATAACCCTGCCCTCGAGTCCAGCTGGGAAAGGATGCA  
 GTGCTGGACCTGCGCTTTCGCTACGCACCTCCGCCCTGGAAGGTTCTCCCTCTGTGACGTAGGCCCTC  
 CTCCTTTGGGCTGGAGTGGCGACGCCAGCACAGGGGAAAGGTCACCTGCTGTTGGTGCACCCCCGG  
 GCTGGCCGGGAGAATGCCACCAGCCAGGAAAAGGCTACGGCATTGCGAGCTTGGGATGACGATGAGCCC  
 TGGGGCCCGTGGACTGGGAATGGACCTTCTGGCTTCCAGCCGTGAAGCCTTCTCAGGAGGTGTCTACC  
 TGGCTACGGTACACCTGCCCTACCTGCAAGGACAGGTCTCCCTGGAGTACTGTGCACAAGGCCCCAG  
 AGTGTCTTAACACCAGCACCCGTTGTGTGGGCTGCCCCAGGAGGACCCCCAGAAGTCTGTCTT  
 GCATCCCACTTCTCCCTTCGGAGGGTCTGGAGGTCAAGTGGGAGCTCAGAGCGGCCCCAGGAGGAAGT  
 CTAGAAAGGTTGAGGGGAAGACGTGGCTCTCCACCATCCGCCACCATTCCGATGGCTCTGTGACCCAGT  
 TGGGCACCTGCAGCTACCTCCAGTCACTGCCAAGCAGCATGGAGTTCATATGTCTGTGGGTGTACCAC  
 TTAGCCTGCCAGCATCGGGGCGCAGTGTGACGTACCCCTGGAGGTGGCAGGCTTCTCAGGGCCCTCCA  
 TCGAGGACGGCATCGGCCTGTTCTGTCTGCTTTTCTCCTCCTCGGACTCCTCAAGGTGCTAGGCTGGT  
 GGTAGTGCCTACTGGACATTCTGAAGTCTCAAAGGAGAAGGCCACAGCTGCCAGCCTGACCATTTCC  
 AGGAACTCAAAGAAGTCAAGTAAAGAAGTCTCGTCTGTGGAAGCCACCCTCATCTGTGCCAGATGA  
 CTCCAGTAGCCCTGCCCAGAACAACAGCCTTCTTCTTCTTCTCCCTCCATTGAATAGCTCGGATTT  
 TTTTTTTTTAAGGTTTTTTGTTTTGTTTTAATCTTCTTGTGTTTTGTTCTTGTTTTTAGACAAGGTCTCT  
 ATGTAGCCTTGGCTGGCTGTCCTGAACCCTACCAAGCCAACCAGGCTGGCCTCGAAGTCCAGAGATCC  
 ACCTGTCCCTCTGCCTCGGAGTGACAAACGGCACTGGACACCATGCCTAGAGGTCTTTTTTTTTTTGGT  
 TTTTGGAGACAGGATTTCTGTATAGTCCCGGCTGTCTGGAACACTCTGTAGACCAGGCTGGCCTC  
 GAACTCAGAAATCCGCTGCCTCTGCCTCCAGGTGCTGGGATTAAGGCGTGTGCCACCACCGCTGGAC  
 TCGAACTAACTTTAAGATGAGAAAAAGCGAGACTTAGCGTCACTCATTGATGCCACAGTCGGG  
 AGGAGAGGAGTGGATCTGACATTTCCATGCCAGCCTGATCTACAAATAGGGAGTTTACAGTACGTC  
 GGGTTACTTGGCGGGGCTTTGTTGAGAGAACTAAATATAAGAACACACATGCGTAGAGTCCAGGGTTG  
 AGAAGAACCAGTGTATGCCAGAGAGGGGTTCAATAACCTGTGGCTCAACCCCTTCAAGTCCATC  
 GAAATACCAGACATTAGGATTCACAACAGTAGTAAAGGAGTACGAAGTAGCAAGAAAAATAATTTTA  
 CAACTGAACTGCGTAAATGTTAAGAAGTTGAGAACCACTGGCAGGGGATTAGGACGAAAGTCTTCAT  
 AGCATCTTAAGATTCTAGAGACCTCAGGACAGCCACAGCAGTGTCTAGAGACGGAAGGTCCATGTG  
 TCTCCCTCGCGGACTAAAGCCTACCTCTCCAGCTCTCCATTCTACCACAGCTTTTCTTTTGGCTGGTCC  
 ACCTTTACCATCTCCGGGCTGGTGGTCTCGGCCCTTACGAATGTCCCGTGTGGTTCGTCTCTCTCT  
 GTCCGCGGCTCTCGTGAGCTAATAAAGTCTTCCGAGTTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_009318
- Insert Size:** 1401 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:** [BC015074](#), [AAH15074](#)

**RefSeq Size:** 2636 bp

**RefSeq ORF:** 1401 bp

**Locus ID:** 21356

**UniProt ID:** [Q9R233](#)

**Cytogenetics:** 17 17.98 cM

**Gene Summary:** Involved in the association of MHC class I with transporter associated with antigen processing (TAP) and in the assembly of MHC class I with peptide (peptide loading).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) has an alternate splice site in the coding region, compared to variant 1. The resulting isoform (2) lacks an internal aa, compared to isoform 1.