

## Product datasheet for **MC205348**

### Tapbpl (NM\_145391) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tapbpl (NM_145391) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tapbpl
Synonyms:	BC017613; TAPBPL-R; Tapbplr
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC017613  
 CAGGTTTTGAAATCACCTGGGGATTTCTTGGGTGCGGGGTGGACCTTAGGGAGAACAGAAAGCAGAGCTG  
 GCTGCAGCCATTACTGGCCTCGGGCGGGCGGCCACAGAGGCAGTTGAAAGTGAAAGAGAAACGAT  
 AAGAGAACGGAGACCACAGGTGCTAAGTGAGGGTGCTCACAGAACCCCTCTTCAGCCAGAGATCACTAG  
 CAGGGGAACTGTGGAGAAGGCAGCCAGCAAGGAAGAGCCTGAGAGTAGCCTCCATGGGCTTGGAGCCAG  
 CTGGTATCTGCTGCTCTGTTTGGCTGTCTCTGGGGCAGCAGGGACTGACCCTCCACAGCGCCACCACA  
 GCAGAAAGACAGCGGCAGCCACGGACATCATCTTAGACTGCTTCTTGGTGACAGAAGACAGGCACCGCG  
 GGGCTTTTGCCAGCAGTGGGGACAGGGAGAGGGCCTTGCTTGTGCTGAAGCAGGTACCAGTGTGGATGA  
 TGGCTCCCTGGAAGGCATCACAGATTTCCAGGGGAGCACTGAGACCAAACAGGATTCACCTGTTATCTTT  
 GAGGCCTCATTGGACTTGGTACAGATTTCCAGGCAGAGGCGTTGCTCCATGCTGACTGCAGCGGGAAGG  
 CAGTGACCTGCGAGATCTCCAAGTATTTCTCCAGGCCAGACAAGAGGCCACTTTTGAGAAAGCACATTG  
 GTTCATCAGCAACATGCAGGTTTCTAGAGGTGGCCCCAGTGTCTCCATGGTGATGAAGACTCTAAGAGAT  
 GCTGAAGTTGGAGCTGTCCGGCACCTACACTGAACCTACCTCTGAGTGCCAGGGCACAGTGAAGACTC  
 AAGTGGAGTTCCAGGTGACATCAGAGACCCAAACCTGAACCACCTGCTGGGTCTCTGTCTCCCTGCA  
 CTGCAGTTTCTCCATGGCACCAGACCTGGACCTACTGGCGTGGAGTGGCGGCTGCAGCATAAAGGCAGC  
 GGCAGCTGGTGTACAGCTGGAAGACAGGGCAGGGCAGGCCAAGCGCAAGGGCGCTACACTGGAGCCTG  
 AGGAGCTACTCAGGGCTGAAACGCCTCTCTCACCTTACCCAACCTCACTCTAAAGGATGAGGGACCTA  
 CATCTGCCAGATCTCCACCTCTCTGTATCAAGCTCAACAGATCATGCCACTTAACATCCTGGCTCCCCC  
 AAAGTACAACGCACTTGGCAAACAAGGATCCTCTGCCTTCCCTCGTCTGCAGCATTGCCGGCTACTATC  
 CTCTGGATGTGGGAGTGACGTGGATTGAGAGGAGCTGGGTGGAATCCAGCCCAAGTCTCTGGTGCCTC  
 TTCTCCAGCCTCAGGCAGAGCAGATGGGAACCTACAGCATTTCTTCCACGGTGATGGCTGACCCAGGC  
 CCCACAGGTGCCACTTATACCTGCCAAGTCGCCACGTCTCCCTGGAGGAGCCCCTTACAACCAGCATGA  
 GGGTTTTGCCAAATCCAGAGCAGAGAGGAACCTTGGGAGTCACTTTGCCAGCATCATCTTCTTTCTGC  
 GCTGTTGTGTTTCTGGGACTTACAGACAGCAAGCTTCTCGTCAAGGTCCACCAGGCCTATGAGGCAT  
 TCTGGGTAGCCGCTGCCTGCCTCCGAATACAAAGTAAAGTACTCCACATCCTGGCTACTTAAAGGACCC  
 CGTGTGAGGTGTGGGCTGAGCTGGGCCTGAAGGTGCCAGCACATTGGGAGTGCAGTACTGGCCTGGAC  
 TGTACAAGTCTCTGTTTCTGTGCTATTGAGAAGAGGCCCTGGGCTGATGAAAAGGGACAGGACAAGAG  
 GATGGCAGAATTACAAAGTGAAGCTAACACCATCTATGTGAGGTATTAAGAAATTGGGGTGGGGCT  
 GGTGAGATGGCTCAGTGGTAAGAGCACCCGACTGCTCTCCGAAGATCTGGAGTCAAATCCCAGCAAC  
 CACATGGTGGCTACAACCATCTGTAACGAGATCTGACTCCCTCTTCTGGAGTGTCTGAAGACAGCTACA  
 GTGTACTTACATATAATAATAATAAATAAATCTAATAAAAAAGAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_145391

**Insert Size:** 1356 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:** [BC017613](#), [AAH17613](#)

**RefSeq Size:** 2086 bp

**RefSeq ORF:** 1356 bp

**Locus ID:** 213233

**UniProt ID:** [Q8VD31](#)

**Cytogenetics:** 6 F3

**Gene Summary:** Component of the antigen processing and presentation pathway, which binds to MHC class I coupled with beta2-microglobulin/B2M. Association between TAPBPR and MHC class I occurs in the absence of a functional peptide-loading complex (PLC). Expression seems to slow down and down-regulate MHC class I surface expression.[UniProtKB/Swiss-Prot Function]