

## Product datasheet for **RN210026**

### Tapbp (NM\_033098) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tapbp (NM_033098) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tapbp
Synonyms:	Tapasin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN210026 representing NM\_033098  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGCTTCTCCCTGCTCGTGTGGACTGGCCTGGCGACCGTGGTCTCGCTGGACCAC  
 AGACGATTGAGTCTGGTTCGTGGAGGATGCAGGTGGGGTGGCCTGTCCAAGAACTGCCACATTGCT  
 ACTGCGCCATGGACCCAGGGGACCGCCCGCCCGCCAGATCTTGACCCTAAGCTATACTTCAAGGTGGAT  
 GACCCGGCGGGAATGCTCCTGGCTGCCTTCAGGCGGTACCCCGCAGGCGCCACGCCCCACTGCGAGA  
 TGAGCAGTACATCCCGTCCCCGCTCGGCGAAGTGGGCTAGGGGTCTGAGTCCGCAGCAGAAGTCTC  
 GCGGGCCTGGACGGGATTGGCTGATGGTCAGCGTATCCGGCACGGTCTTCAGCCTCTCCAGCCTGCTG  
 CGACCACTGCCGAGCCTCAGCGGGAGCCTGTCTCATCACCATGGCAACAGTGGTACTGACTGTCCTCA  
 CACGTACCCCGCCCTCGGATCCATCTGGAAAGGATGCAGTGTGGACCTGCGTTTTGCCTACGCGCC  
 CCCTGCTCTGGAAGATGCTCCCTCTGTGGCCTCAGGGCCTCCTCCCTTTGGGCTGGAGTGGCGGCCAG  
 CACAGGGGAAAGGTCACCTGCTGCTGGCTGCAATTCCTGGGCTGCTTGAGAAAAATGCCACCAGCCGAG  
 AAAAGGCTGTGGCATTGCTGCTTGGGATGACGACAATGATCCCTGGGGCCCGTGGACTGGGAATGGGAC  
 CTTGTGGCTGCCAGCAGTGAAGCCCTTCTCAGGAGGGTGTCTACCTGGCCACCGTACATCTGCCCTATCTG  
 CAAGGACAGGTGTCCCTGGAGCTGACTGTGCACAAGCCCCGAGAGTGTCTTAACACCAGCACCATTG  
 TGTGGGCTGCCCCAGGAGAGGCACCCCCAGAATTGCTCTGTCTTGTGTCCCACTTCTACCCTGAGGAGGG  
 CTTGGAGTGGATGGGAGCTCAGAGGTGGCCAGAAGGAAGTTCTAGAAAGGCTGAGGGGAAGACTTGG  
 GTCTCCACTGTCGTCACCATCTGATGGCTCTGTGAGCCAGTCTGGGCACCTGCAGCTACCCCCAGTCA  
 CTGACAAGCAACATGGAGTTCGCTATGCTGTGCGGGTCCGCCACCCTAGCCTGCCCTCATCGGGGACAG  
 TGCTGAAGTCACTCTGGAGGTGGCAGGCTTCTCAGGGCCCTCCATTGAGGACGGCATAGGCCTTCTCCTG  
 TCTGCTTTTCTCCTTTTGGGCTCTTCAAGGCACTAGGCTGGATGGCTGCCTACCTGACCATTCTAAAA  
 TCTTAAAGGAGAAGCCCTCAGCTACCAGCCTGACCGTTCCCAAAGACGAAAAGAAGTCAGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_033098

**Insert Size:** 1395 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_033098.2](#), [NP\\_149089.1](#)

**RefSeq Size:** 1563 bp

**RefSeq ORF:** 1395 bp

**Locus ID:** 25217

**Cytogenetics:** 20p12

**Gene Summary:** facilitates the binding of MHC class I molecules to the transporter associated with antigen processing (TAP) in MHC class I assembly [RGD, Feb 2006]