

## Product datasheet for **MC217228**

### **Tmem102 (NM\_001033433) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmem102 (NM_001033433) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem102
Synonyms:	4632403M07Rik; Cbap; Tmem102-ps
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217228 representing NM\_001033433  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTCCACCGTCTGGGGGGTGCCCCCTGGTGGGACCACCGCCCCAGCCCCAGCCCCGGCCTCTCA  
 CAGACATAGATTTCTGCTCGGGCGCCAGCTGCAGGAGCTCACTCAGTTAATTCAGGAGCTCCGTGTTC  
 GGAGAGTTGGAGTGAAGGGCCCAAGCCTGGAGCTGATCTTCTCCGAGCCAAGGATTTTGTCTTCGCTCTA  
 CTCGGTCTGGTTCACCGCCAAGACCCTCGTTTTCCACCCAGGCAGAACTCTTGCTGCTTCGTGGTGGGA  
 TTCGCGAAGGTTCCCTAGATTTAGGGCAGCCCCCTTAGGTCCCTACTCCCGGGACCTCATTATGATGC  
 CGGCTTTACTACTCTGTGCCTGTGTTTTCTCTGGATGGCACTGGGCCGAGCTGCTACTGGATCTGAA  
 TCCTGTTCTGCATGGCTCCGCCTCCAGAACTGATGCGTGAATTTTGGTCCGGGAGGCCTGGCAGGATT  
 GCTTAGGACCTCCTGTCCAGAAGAAAGTATGACTACCAAACCCATAGCAAAGAGAGTCCCACCGA  
 CCGGGAAAACCTGTAGATCCGTACATGATTATGTCCCTGAACCTGAGCCACACATGTCTTTGCAAAAA  
 TCATCTAGTGACCTTTCAGAGTCCCAATCGTCTTATAAGGACATTACCAATCCTGAAACTCCTGAGCCAT  
 TGGAAACTGAGCAGCGACGCCTTGGACGCCGACGAAAGCCAAGTCCAAAGCCGTCGGAGGCTCCAAA  
 GGCATGGCCACATTATGCCCGACCCAAGTAACTTCTGGTTCTTCGTTAAGTTGGCTGAGGTTGCTGAG  
 TCCCTGATCCCGTCCCAGGCGCCCCACGGCTAGTTTCATGCAGCTCGTACGCAGGTGTCACCACGGTCC  
 TCCTGGCAACTCCAGAGCCCCACGCCACCTCTGCTCTTCGACTTGATCCCGGTGGTGACCGTGACAGG  
 CTGGCTGACACGGCTCGGAGCCACTCGTGGCGGGTCCACTGGTCTCTGAATCGGCCTCTTTCTACCTA  
 GTGCCGGGACGCTCCCAGAGCAGCCGAGCACCTCTGGATGGCAGCTGTGCTTCGCTCGCCAGGAGCTGG  
 CGCTCAAAGAGCGCATCCCACGCGCTGCTTCAGGCACACGCGGGGCCAGGCGCTGTCGCGCCGCT  
 GGTGGCGGGGACCCGAGCCGCTGCGCCCTACCTCCTGCGGACCTTGCTCTACTGGCGTGCAGCGGCTC  
 CCGCGCTCTACTTGGCGCGCCGAAAATGCCGGCGCTTGTTCCTGGGCTACTGGATGAGCTGAGCC  
 GAGTGCTAGAGGCGGGGCGCTGCCTCATTATTTTTTGGAGCGGCCGAAAGCTCCGTGTGGGAGACGGCTC  
 CGCTGCTCTGCGCGGGGATTGGCCAGCTCCGCGGGGACCTGCACAGGCTTGCCTGAGGCTGTAGAG  
 GAAGCCAAGTTGCCCGCAAAGGGGGCGTTTAGCGGGCGTAGGGGGCGGGACCCATTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001033433

**Insert Size:** 1530 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\\_001033433.4](#), [NP\\_001028605.2](#)

**RefSeq Size:** 1941 bp

**RefSeq ORF:** 1530 bp

**Locus ID:** 380705

**UniProt ID:** [Q3UPR7](#)

**Cytogenetics:** 11 B3

**Gene Summary:** Selectively involved in CSF2 deprivation-induced apoptosis via a mitochondria-dependent pathway.[UniProtKB/Swiss-Prot Function]