

## Product datasheet for **MC217379**

### **Tmem117 (NM\_178789) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmem117 (NM_178789) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem117
Synonyms:	B930062P21Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217379 representing NM\_178789  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGTAAAGACTTCCGCTACTATTTCCAGCATCCTTGGTCTCGCATGATCGTGGCTTACCTGGTCATCT  
 TCTTTAACTTCTTGATATTCGCTGAGGACCCAGTCTCTCACAGCCAAACAGAAGCTAATGTTATTGTTGT  
 TGGAAACTGTTTTTCATTTGTAACAAATAAATACCCTAGAGGAGTTGGCTGGAGGATTTTGAAGGTGCTT  
 CTATGGCTACTGGCCATTCTCATAGGACTGATTGCTGGCAAGTTCCTCTTCCATCAGCGTTATTTGGCC  
 AGTTGCTCCGGTTAAAAATGTTCCGGGAAGACCATGGGTCGTGGATGACGATGTTCTTCAGCACAATTCT  
 CTTTCTTTCATCTTCTCTCACATCTATAACACCATCCTTCTGATGGACGGGAACATGGGAGCTTATCTC  
 ATCACTGACTATATGGGCATCCGAATGAAAGTTTCATGAACTAGCTGCTGTGGGGACCTGGATGGGGG  
 ACTTTGTCACAGCTTGGATGGTAACTGATATGATGCTTCAAGACAAGCCCTACCCTGACTGGGGAAATC  
 CGCAAGAGCTTTCTGGAAGAAAGCAACGTGAGGATCATTTTATCTGGACCGTCTCTTCAACCCTGACT  
 TCCGTGGTGGTGTGCTGTCATCACGACCGACTGGATCAGCTGGGACAAACTGAACCGTGGGTTTTGCCCA  
 GTGATGAGGTCTCCCAGCCTTTCTTGCTTCTTTCATCTTGGTCTTTGACCTCCTTATTGTGATGCAGGA  
 CTGGGAATTTCCACACTTCATGGGCGACGTTGATGTGAATCTCCCGGGTTGCACACGCCTCACATGCAG  
 TTCAAGATTTCCCTTCTCCAGAAGATCTTCAAGGAGGAATACCGCATTACATAACAGGTAATGGTTTA  
 ACTACGGAATTATCTTCTCGTCTTGATTTGGACCTGAATATGTGGAAGAACCAGATATTTACAAACC  
 TCATGAATATGGACAGTATTTGGCCCAGGGCAGAAGATATACACAGTGAAGACTCTGAAAGTTTAAAG  
 GATTTAAATAGAACCAAGCTATCTGGGAATGGCGGTCCAATCACACTAATCCTCAGACTAATAAAACCT  
 ACGTTGAAGGTGACATGTTCTTACACAGCAGTTTCATAGGGCTAGCCTAGATGTCAAGTGTCTGGCTTT  
 TGTTCCAAGTTTGATAGCTTTTGTGGTTGGATTCTTCATTTGGTCTTTGGACGGTTTCTGAAAAAT  
 GAGCAAGGGATGGAGAATCAAGATAAAACTTATACTCGCATGAAAAGGAAATCCCCTCGGAACACAGCA  
 AAGATATGGGAATCACCCGAGAAAAACCCAGGTCTCTGTGGAAGATCCTCTGAATGACCTGCCTTGGT  
 TTGTATCAGGTCTGACTTTAACGAGATAGTCTACAAGTCTCCCATCTGACTTCAGAAAACCTTGAGCTTA  
 CATCTGAAGGAATCTACCAGTGAGGTGGAGGCTGAGCAAGAGCCGGCAGCCTCTCAAAGGATGAGGACGA  
**ACTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_178789

**Insert Size:** 1545 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\\_178789.4](#), [NP\\_848904.1](#)

**RefSeq Size:** 2781 bp

**RefSeq ORF:** 1545 bp

**Locus ID:** 320709

**UniProt ID:** [Q8BH18](#)

**Cytogenetics:** 15 E3

**Gene Summary:** Involved in endoplasmic reticulum (ER) stress-induced cell death pathway.[UniProtKB/Swiss-Prot Function]