

## Product datasheet for **MC200157**

### Tmem51 (NM\_145402) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem51 (NM\_145402) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tmem51  
**Synonyms:** BC003277  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC003277 sequence for NM\_145402  
 CCCACGCTCCGCCACGCGTCCGCCACGCGTCCGGGTTTACAGACATACCCTCCACCCAGTGTAGG  
 TGTTGCTGGGTTCAAACACAGAGCTTGTGCATGCTGGATCTCTCGTCTGCTCCATCCACCCGGGATACC  
 TGGCATTGGAAGAGAGCCATCGCTTGAGAGTCTACGGATGACTTCCGCTGTGACACAGGAGAGTCTCTT  
 TGCTGCATGGACACAGTGTCTATTGGCACTACTGCTTTCTGATTTATTTCTCTTTGAGCCGGTCTT  
 GCCCGCTCCGCTGCATGATGGCCAAATCAAAGCCAACGGCTCACACTACGCACTGACGGCCATCGGCC  
 TGGGGATGCTGGTCTCGGGTATCATGGCCATGTGGAACCTGGTTCTGGTTTCAGCCCTGCGGATAA  
 GCCAACGTCTCAGGGCAACAAGACAGAGGGAGGTGGTGGCATCCTCAAGAGCAAGACGTTTTTCAGTGGCG  
 TACGTGCTGGTCCGGCTGGCATGATGCTGCTGCTGCTAGCCATCTGCCTGAGCATCCGGGACAAAAGGA  
 GGATGCGGCAGAGTGAGGAGCTGGCTCGAATTCAGCAGCAGGCAGGAACCGTGCCCACTCCCAAGAAGA  
 AGACAGCCAGGAGGAAGAGGAGGATGTCTCCTCACGGTACTACGTACCGAGCTACGAGGAAGTGATGAAC  
 ACGGGCTACCCGAAACCAGGGGCAGGAGCAGAACCCAAGACTGAGCATTTCTCTCCCCTCTATGAGT  
 CGTAACGGGGCTGGACGAGGCAACCCCAACAGCACCAGGGCGGAGACAGAGACCAGCCAGGGCATGC  
 TCCGGACAGGCAAACTCCAAGCTGGCCAAACGCTGAAGCCACTCAAAGTTCAAGGATTAATCCGAA  
 AAGCTTCACTCAAAGACTTCAGGATCACCTACCGGACAAGAAGCTTCTCCTCCTCTATCGAGCCTT  
 TGACTCCTCCGCCCTGTACGATGAGGTCCAGGCAAAGGCGCCGATGCCCGCCACCCGACTGAAGGAC  
 TCTCTGACTACACTCCCTCCTGTCTCACCTCCACACCAACAGACTTCGCCAAAGCCACTTCAGCCCCAG  
 TCGAGGGGTCAAGGCACACTTAGCCACTGTGATGGGATTGTGGGTAGAGGGAGAGAACGGTTCACAGAG  
 CCCCGCAGAGTAGGGGCATCAGAAGGATGCTGGGAGTTTATGATGCTGAACCATAGCAAGGGGTGTGG  
 CTTGGCATCCCGCATCTTTCTCCTCCACTTGGGATCATTGCCACACACCCCTCTCCTAAGCTGGGA  
 CACGATCCCTAGTGACTCGTTTAGACCGAGGTCGCTCCTTTTCGTTTCGACCACAGTTGCTGCGTTTCAA  
 AAAGAAACCGTGTGTTTGTGCTTGTCTTCTCACTGGAGCCTTGAACCAAGTGGAGAACGTGGTTCTGCCTT  
 GGCCAAAAGGACCTGGAATTGCTTGTGAATAAAATGATGGCCGTGTGGGGTGAGCTGTGGGGAGGTC  
 CCTAGGGGCCCAAGTGTGCTGTTTCTTTGAAGGTCTAAGGCCTGATGACCTTCAGCGTGCGACACAGA  
 AGGTGATTGTCCGGTTCGGTACTGTTTCTGTGGGTAACGAAAGGCAAGAGAGGAAGTCGCTGCTCC  
 ATGCCCTCTCAAACGCCATGCAGTTGGCATTATAATAAAGTGTATATGTAGCAAAAAAAAAAAAAA AAAAAAA



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|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Restriction Sites:     | RsrII-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ACCN:                  | NM_145402                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Insert Size:           | 750 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: | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| RefSeq:                | <a href="#">BC003277</a> , <a href="#">AAH03277</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq Size:           | 1758 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RefSeq ORF:            | 750 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:              | 214359                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt ID:            | <a href="#">Q99LG1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cytogenetics:          | 4 E1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |