

## Product datasheet for **MC226546**

### Tmem33 (NM\_001285452) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem33 (NM\_001285452) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tmem33  
**Synonyms:** 1110006G02Rik; 1600019D15Rik; 2410089A21Rik; 2700052H22Rik; 5430406L04Rik; AA388285  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226546 representing NM\_001285452  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGGATACGACCCCGAACGGCCCCAAGGGGCGGGCGCTGTGCAATTCATGATGACCAATAAATTGG  
ACACAGCAATGTGGCTTCTCGCCTGTTACAGTTTATTGCTCCGCTCTGTTCTGCTCTTCTTGG  
GTTGCATGAAGCAGCGAGCTTTTACCAGCGTGCTTTGCTGGCCAATGCTCTGACCAGCGCTCTGAGGCTG  
CATCAGAGATTACCTCACTTCCAGTTGAGCAGAGCGTTCCCTGGCTCAGGCCTTGTAGAGGACAGCTGCC  
ACTACCTGCTGTATTCACCTCATCTTCGTCACCTCCTACCCTGTCACAATGAGTATTTTTCCAGTCTTGT  
ATTTTTCTTGGCTCCATGCTGCCACATACACTAAGAAGGTCCTGGACGCAAAGGGTTCAAATAGTTTACCT  
CTGTTGAGATCATTCTTGGATAAATTAAGTACTAACCAACAAAATATTCTGAAATTCATCGCTTGTAAATG  
AAATATTCTTGATGCCTGCTACAGTTTTATGCTCTTTAGTGGCCAAGGAAGTTTGTCCAGCCTTTTAT  
ATATTAGATTTCTTACTCTTCGATATTCCTCTAGAAGAAATCCATATTGTCGGAACCTGTTTAAATGAA  
CTGAGGATTGTGGTTGAACACATTATTGAAGCCCTCCTGCCACTGTTTGTGAGAAGACTATGTCTCC  
AGAGCATCGCCTTATCAGCAGACTGGCACCAACAGTTGCG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001285452  
**Insert Size:** 744 bp



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<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>
<b>RefSeq:</b>	<u>NM_001285452.1, NP_001272381.1</u>
<b>RefSeq Size:</b>	6404 bp
<b>RefSeq ORF:</b>	744 bp
<b>Locus ID:</b>	67878
<b>UniProt ID:</b>	<u>Q9CR67</u>
<b>Cytogenetics:</b>	5 C3.1
<b>Gene Summary:</b>	Acts as a regulator of the tubular endoplasmic reticulum (ER) network. Suppresses the RTN3/4-induced formation of the ER tubules. Positively regulates PERK-mediated and IRE1-mediated unfolded protein response signaling.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) represents the longest transcript. Variants 1 and 3 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.