

## Product datasheet for **RN200336**

### **Tmem33 (NM\_001034198) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem33 (NM\_001034198) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tmem33  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN200336 representing NM\_001034198  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCGGATACGACCCCGAACCGCCCAAGGGGCGGGCGCTGTGCAATTTATGATACCAATAAGCTGG  
ACACAGCGATGTGGCTGTCTCGCCTGTTACAGTTTATTGCTCCGCTTTGTTCTGCTCTTCTTGG  
GTTGCATGAAGCAGCAAGCTTTTACCAGCGTGCTTTGCTGGCCAATGCCCTGACCAGCGCTCTGAGGCTG  
CATCAGAGATTACCACACTTCCAGTTGAGCAGAGCATTTCCTGGCGCAGGCCTGTTAGAGGACAGCTGCC  
ACTACCTGCTGTACTCACTCATCTTCGTCAACTCCTACCCAGTTACAATGAGTATTTCCAGTCTTGTT  
ATTTTCATTGCTTCATGCTGCCACATACACTAAGAAGGTCCTGGATGCAAAGGGTTCAAATAGTTTACCT  
CTGTTGAGATCCGCTTTGGATAAATTAAGTACTAATCAACAAAATATTCTGAAGTTCATCGCTTGAATG  
AAATATTCTTGATGCCCGCTACAGTTTTTATGCTCTTTAGTGGTCAAGGAAGTTTGTTCAGCCTTTTAT  
ATATTAGATTTCTTACTCTTCGATATTCCTCTAGAAGAAATCCCTATTGTCGGAACCTGTTTAAACGAA  
CTGAGGATTGTTGTTGAACACATTATCATGAAACCCTCCTGCCCGCTGTTGTGAGAAGACTGTCTCC  
AGAGCATTGCCTTTATTAGCCGGCTGGACCAACAGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001034198  
**Insert Size:** 741 bp



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<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>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><a href="#">NM_001034198.2</a></u> , <u><a href="#">NP_001029370.1</a></u>
<b>RefSeq Size:</b>	2627 bp
<b>RefSeq ORF:</b>	741 bp
<b>Locus ID:</b>	59303
<b>Cytogenetics:</b>	14p11
<b>Gene Summary:</b>	putative integral membrane protein [RGD, Feb 2006] Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region that results in a frameshift compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct C-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.