

## Product datasheet for MC211569

### Tmem65 (NM\_175212) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem65 (NM_175212) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem65
Synonyms:	2610029O13Rik; 4930438D12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211569 representing NM_175212 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCCCGGCTGCTGCCGCTGCTGGGGAGCCGGACGGCGCGCAGCCTGAGGCCCGGCCCTGCCGCCGCGC  
CCCGCTGCCGCTCCTGGTGTCTGCGGCCGGGACTGCTGGCGCTCGGGTTCCCGCGGTCCCCGGCT  
TCTGGGCACACCCCAAGAAGGAGCCCATGGAGGCGCTGAACACGGCGCAGGGCGCGCGACTTCATC  
TACAGCCTGCACTCCACGGAGAGGAGCTGCTTGTCAAAGAGCTGCACCGCTTCGAGTCCATTGCCATCG  
CACAAGAAAAATTGGAAGCTCTACCACCCTCCAGGACAGCTGAGATATGTATTCTCCACAATGCGAT  
ACTTTTCGTAGGGTTTGGCTTTTGGATAACGCAATTATGATTGTTGCAGGAACCCAAATTGAATTGTCT  
ATTGGAATTATCTTGGGATTTCAACAATGGCAGCTGCTGCTTTGGGAAATCTTGTTCAGATTTAGCTG  
GACTGGGCCTTGCAAGTTATGTTGAGGCCTTGGCGTCCAGGCTAGGCCTCTCAATTCCTGATCTTACACC  
AAAGCAAGTTGACATGTGGCAAACACGTGTTAGCACACATTTGGCAAGGCTGTTGGGGTGACGATCGGC  
TGCATTCTAGGAATGTTCCCGTTGATTTCTTTGGAGGAAGTGAAGAGGATGAGAACTGGAAACAACAA  
ATTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_175212
Insert Size:	705 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>	<a href="#">NM_175212.4</a> , <a href="#">NP_780421.2</a>
<b>RefSeq Size:</b>	3644 bp
<b>RefSeq ORF:</b>	705 bp
<b>Locus ID:</b>	74868
<b>UniProt ID:</b>	<a href="#">Q4VAE3</a>
<b>Cytogenetics:</b>	15 D1
<b>Gene Summary:</b>	May play an important role in cardiac development and function. May regulate cardiac conduction and the function of the gap junction protein GJA1. May contribute to the stability and proper localization of GJA1 to cardiac intercalated disk thereby regulating gap junction communication (PubMed:26403541). Regulates mitochondrial respiration and mitochondrial DNA copy number maintenance (By similarity).[UniProtKB/Swiss-Prot Function]