

## Product datasheet for **MC228609**

### **Tmem201 (NM\_001284270) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmem201 (NM_001284270) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem201
Synonyms:	AV028368; D4Ertd429e; Net5; Samp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228609 representing NM\_001284270  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGAGTGAGCGCGCTGCTGGCTAGCTGCCACCACCAGCCGCGCTGGCGGGCGGCTCGGGGTCACGG  
 CGTGCGCTGCCGCGCGCTGGTGTCTACCGGATTGCGCGGAGGGTGAAGCCAACACACAATGGTCAA  
 CTGCTGGTTCTGCAACCACGATACACTGGTGCCTATGGGAATCGCAACTGTTGGGACTGTCCCACTGT  
 GAGCAGTACAATGGCTTTCAAGAGAATGGAGACTACAACAAGCCAATCCCAGCACAGTACATGGAACACC  
 TGAACCACGTGGTGAAGCAGCTGCCAGTCCCCGGGACCCTGCACAGCCACAGCAGTGGGTGAGCAGCCA  
 GGTCTGTGTGCCGAAGGTGCAGCCACCACCAGACCACCAAGATCAAGCAGCTGGCTGCTTTACACCA  
 CGGGAGGAGGGCCGCTACGATGAGGAGATTGAGGTGTACCGCCACCCTGGAGCAGATGTACAAGCTGT  
 GCCGCCGTGCCAGGCGCGCTGAGTACTACATCAAACACCAGAACCAGCCAGCTGCGTGCCTGCTTCT  
 CAGCCACCAGTTCGGCGTGGGAGGCTGACCAGGCCATGGGCAGAGTTTCAGTTCCTCGGCAGTGAAG  
 GCCCATTCCAGTTCATCCTGCTCGTGCCTGGCCTTCTGGCCTGTGCCTTCTGTTGTTCACTACAC  
 TGTATGGGCCAGCGAACCTTACCCCGGGGCTGCCTTGCCCCAGCCCTACCTCCTGGGGGCAACAG  
 TTCTGCGGCTCGGACAACCACTTCTCAGGCGGAGGGCTGGCAGCAGCTGCTGGGTCTATTGCCTGAG  
 CATGCCACAGAGAAGCTACATGAGGCTGGGCTTTGGGAGAGCCACCAGACCAGCATTGTGGCAGTGG  
 GCCTGCTCACCTGCCTGCTGGCCATGCTGCTGGCTGGCCGATCAGGCTCCGGCGGATCGATGCCTTCTC  
 CACTGCCTCTGGGCCCTGCTGCTGGGCTGCACCTGGCAGAGCATTATCTACAGGCTGCCTCACCCGGC  
 TGGCTAGACACACTCAAGTTCAGTACCACGTCCCTGTGCTGCCTGGTGGGCTTACCAGCAGTGTGGTA  
 CGAGAAATCGACAGGCCACGGAGGTTCCGGCCCCGAAGTACTTCTCCGGAGACTTCCAGCCTTTT  
 TCCTTCCAGCCCCAGCCTGGCTGTGCCCTACCCAAGTGTACATCCTCGCCAGCATCCCTGTTTATCCCC  
 ACCCCACCTGGCTTCTGCTCTCACCAAGCAGCAGTGTTCGATCTCCCCGTCGGGTCTCCCCCTCCT  
 CACTGCCAGGCCCTCAGTCGGGCCCTCTCGCTGGGAACCATACCTCCTCTGACCCGGACTGACTCAGG  
 ATACCTGTTTCCAGCGGGAGCCGGCCACCCTCTCGGTGTCTCCAGCAGGGGAGGTTTCTTTTTCAGATTAC  
 TTTTCTGCTGTCCAGCAGTTCCTGCTTCTCCCTCCCTTCCCAGCACCTTCCGTGGCCAGCTCCG  
 TGGCTCCAGCTGCTGCTCCTTGCGCCACCGCAGGCCCTCATCAGCCCTGCACGGCTCAACCTGAAAGG  
 ACAGAACTGCTGCTGTTCTCATCCCTGGGAAGCACAAATACCCCCAGCAGCTCAGAGGAGTCTCG  
 CCACCAACGGCAGCCTTTCATTGAGTCTCCCAGCTGCCACAGAGGAATCACACTCGGGACACAAGC  
 ACACCATGGAGATGAGGTGATGCTGGCCAGAGACAGCGCCCGCAGTAGCCACTCATCAAGAAAGAGGA  
 CGAGTCGTCTCAGTCTCCACCTGCGTCTAGACACCACCACCAAGGGTGTCTCAGAGGAGACCCTCCC  
 TGGAAAGCTCGTGTGAGTCCCTCCCTGGTCCGGGGCTCCTGGCTGTGAGTTGGCAGTCAATGCTCTCT  
 TCACCTCGGCCTACCTGTACCAGAGCCTGCGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001284270

**Insert Size:** 1995 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).

**OTI Annotation:** 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_001284270.1, NP_001271199.1</u>
<b>RefSeq Size:</b>	3737 bp
<b>RefSeq ORF:</b>	1995 bp
<b>Locus ID:</b>	230917
<b>UniProt ID:</b>	<u>A2A8U2</u>
<b>Cytogenetics:</b>	4 80.15 cM
<b>Gene Summary:</b>	<p>Involved in nuclear movement during fibroblast polarization and migration (PubMed:22349700). May recruit Ran GTPase to the nuclear periphery (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (c). 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.</p>