

## Product datasheet for MR229408

### Tmem201 (NM\_001284273) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem201 (NM\_001284273) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tmem201  
**Synonyms:** AV028368; D4Ertd429e; Net5; Samp1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229408 representing NM\_001284273  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGTCAACTGCTGGTTCTGCAACCACGATACACTGGTGCCTATGGGAATCGCAACTGTTGGGACTGTC  
CCCCTGTGAGCAGTACAATGGCTTTCAAGAGAATGGAGACTACAACAAGCCAATCCCAGCACAGTACAT  
GGAACACCTGAACCACGTGGTGAGCAGCGTGCCAGTCCCGGGACCCTGCACAGCCACAGCAGTGGGTG  
AGCAGCCAGGTCCTGCTGTGCCGAAGGTGCAGCCACCACAGACCACCAAGATCAAGCAGCTGGCTGCTT  
TCACACCACGGGAGGAGGGCCGCTACGATGAGGAGATTGAGGTGTACCGCCACCCTGGAGCAGATGTA  
CAAGCTGTGCCGCCGTCGCCAGGCGGCCGTCGAGTACTACATCAAACACCAGAACCGCCAGCTGCGTGCC  
CTGCTTCTCAGCCACCAGTTCGGCGCTCGGGAGGCTGACCAGGCCATGGGCAGAGTTTCAGTTCCTCGG  
CAGTGAAGGCCCATCCAGGTCATCCTGCTCCGTGCCCTGGCCTTCTGGCCTGTGCCTTCTTGTGTT  
CACTACACTGTATGGGCCAGCGAACCTTCACCCCGGGGGCTGCCTTGCCTCCAGCCCTACCTCCTGGG  
GGCAACAGTTCGCGGCCCTCGGACAACCACTTCTCAGGCGGAGGGCTGGCAGCAGTGTGGTCTAT  
TGCTGAGCATGCCACAGAGAAGCTACATGAGGCCTGGCCTTTGGGCAGACCACAGCAGCATTGT  
GGCAGTGGCCTGCTCACCTGCCTGCTGGCCATGCTGCTGGCTGGCCGATCAGGCTCCGGCGGATCGAT  
GCCTTCTCCACCTGCCTCTGGGCCCTGCTGCTGGGGCTGCACCTGGCAGAGCATTATCTACAGGCTGCCT  
CACCCGGCTGGCTAGACACACTCAAGTTCAGTACCACGTCCTGTGCTGCCTGGTGGGCTTACCAGCAGC  
TGTGGCTACGAGGAAATCGACAGGCCACCGAGGTTCCGGCCCCGAAGTTCAGAGAAGCAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229408 representing NM\_001284273  
 Red=Cloning site Green=Tags(s)

MVNCWFCNHTLVPYGNRNCWDCPHCEQYNGFQENGDYNKPIPAQYMEHLNHVVSSVSPRDPAPQPQWV  
 SSQVLLCRRCSHHQTTKIKQLAAFTPREEGRYDEEIEVYRHHLEQMYKLCRPCQAAVEYYIKHQNRQLRA  
 LLLSHQFRRRREADQAHGQSFSSSAVKAPFQVILLRALAFLACAFLLFTTLYGPSEPFTPGAALPPALPPG  
 GNSSAASDNTTSQAEGWQQLGLLPEHATEKLHEAWAFGQSHQTSIVAVGLLTCLLAMLLAGRIRLRRID  
 AFSTCLWALLLGLHLAEHYLQAASPGWLDLTKFSTTSLCCLVGF TAAVATRKSTGPRRRFRPRRSEKQQ

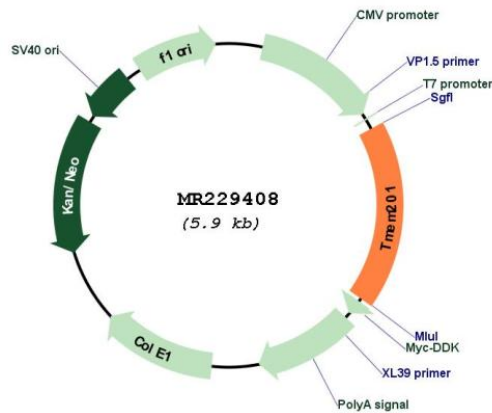
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001284273

**ORF Size:** 1044 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001284273.1</a> , <a href="#">NP_001271202.1</a>
<b>RefSeq Size:</b>	3632 bp
<b>RefSeq ORF:</b>	1047 bp
<b>Locus ID:</b>	230917
<b>UniProt ID:</b>	<a href="#">A2A8U2</a>
<b>Cytogenetics:</b>	4 80.15 cM
<b>MW:</b>	39.7 kDa
<b>Gene Summary:</b>	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]