

## Product datasheet for **MR209631**

### **Tmem201 (NM\_001025106) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmem201 (NM_001025106) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem201
Synonyms:	9430091K04; AV028368; D4Ertd429e; Net5; RP23-38317.1; Samp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR209631 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGGAGTGAGCGCGCTGCTGGCTAGCTGCCACCACCAGCCGGCCTGGCGGGCGGCTCGGGGTACGG  
CGTGCGCTGCCGCGGCGTGGTGTCTACCGATTGCGCGGAGGGTGAAGCCAACACACAATGGTCAA  
CTGCTGGTTCTGCAACCACGATACACTGGTGCCTATGGGAATCGCAACTGTTGGGACTGTCCCACTGT  
GAGCAGTACAATGGCTTTCAAGAGAATGGAGACTACAACAAGCCAATCCCAGCACAGTACATGGAACACC  
TGAACCACGTGGTGAAGCAGCTGCCAGTCCCCGGGACCCTGCACAGCCACAGCAGTGGGTGAGCAGCCA  
GGTCTGTGTGCCGAAGGTGCAGCCACCACCAGACCACCAAGATCAAGCAGCTGGCTGCTTTACACCA  
CGGGAGGAGGGCCGCTACGATGAGGAGATTGAGGTGTACCGCCACCCTGGAGCAGATGTACAAGCTGT  
GCCGCCGTGCCAGGCGCGCTCGAGTACTACATCAAACACCAGAACCAGCCAGCTGCGTGCCTGCTTCT  
CAGCCACCAGTTCGGCGTGGGAGGCTGACCAGGCCATGGGCAGAGTTTCAGTTCCTCGGCAGTGAAG  
GCCCATTCAGGTCATCCTGCTCGTGCCTGGCCTTCTGGCCTGTGCCTTCTGTTGTTCACTACAC  
TGATGGGCCAGCAACCCTTACCCCGGGGCTGCCTTGCCCCAGCCCTACCTCCTGGGGGCAACAG  
TTCTGCGGCTCGGACAACCACTTCTCAGGCGGAGGGCTGGCAGCAGCTGCTGGGTCTATTGCCTGAG  
CATGCCACAGAGAAGCTACATGAGGCTGGGCTTTGGGAGAGCCACCAGACCAGCATTGTGGCAGTGG  
GCCTGCTCACCTGCTGCTGGCCATGCTGCTGGCTGGCCGTATCAGGCTCCGGCGGATCGATGCCTTCTC  
CACCTGCCTTGGGCCCTGCTGCTGGGGCTGCACCTGGCAGAGCATTATCTACAGGCTGCCTCACCCGGC  
TGGCTAGACACACTCAAGTTCAGTACCACGTCCCTGTGCTGCCTGGTGGGCTTACCAGCAGTGTGGCTA  
CGAGAAAATCGACAGGCCACGGAGGTTCCGGCCCCGAAGTACTTCTCCGGAGACTGTCCAGCCTTTT  
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CACTGCCAGGCCCTCAGTCGGGCCCTCTGCTGGGAACCATACCTCCTCTGACCCGGACTGACTCAGG  
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TTTTCTGCTGTCCAGCAGTTCCTGCTTCTCCCTCCCTTCCCAGCACCTTCCGTGGCCAGCTCCG  
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ACAGAACTGCTGCTGTTCTCATCCCTGGGAAGCACCAATACCCCCAGCAGCTCAGAGGAGTTCTCG  
CCACCAACGGCAGCCTTTCATTGAGTCTCCCAGCTGCCACAGAGGAATCACACTCGGGACACAAGC  
ACACCATGGAGATGAGGTGATGCTGGCCAGAGACAGCGCCCGCAGTAGCCACTCCATCAAGAAAGAGGA  
CGAGTCGTCTCAGTCTCCACCTGCGTGTAGACACCACCACCAAGGGTGTCTCAGAGGAGACCCTCCC  
TGGAAAGGTCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

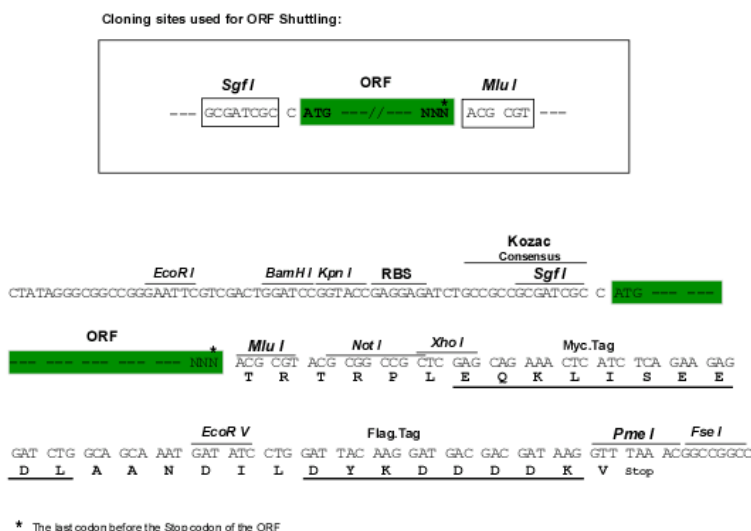
**Protein Sequence:** >MR209631 protein sequence  
Red=Cloning site Green=Tags(s)

```
MEGVSALLASCPTAGLAGGLGVTACAAAGVVLRYIARRVKPTHTMVCNWFVFNHDTLVPYGNRNCWDCPHC
EQYNGFQENGDNKPIPAQYMEHLNHVSVSPRPDPAQPQQVSSQVLLCRRCSSHQTTKIKQLAAFTP
REEGRYDEEIEVYRHHLEQMYKLCRPCQAAVEYYIKHQNRQLRALLSHQFRRREADQAHGQSFSSSAVK
APFQVILLRALAFLACAFLLFTTLYGPSEPFTPGAALPPALPPGGNSSAASDNTTSQAEGWQQLLGLLPE
HATEKLHEAWAFQSHQTSIVAVGLLTCLLAMLLAGRIRLRRIDAFSTCLWALLGLHLAEHYLQAASPG
WLDTLKFSTTSLCCLVGFATAAVATRKSTGPRFRPRRYFSGDSASLFPSSPSLAVPYPSVTSSPASLFI
TPPGFLPLTKQQLFRSPRRVSPSSLPGRSLRSLGTLIPPLTRTDSGYLFSGSRPPSRVSPAGEVSLSDY
FSLSSSFPASPLPSPAPSVASSVASSGSLRHRRLISPARLNKKGQKLLLFSSPGEAPNTPSSSEEF
PPNGSLFIESPQLQRNHRDTRKHTMEMRMLARDSARSSHSIKKEDESSQSTCVVDTTTKGCSEETP
WKGL
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001025106

**ORF Size:** 1905 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_001025106.1](#), [NP\\_001020277.1](#)

**RefSeq Size:** 4620 bp

**RefSeq ORF:** 1905 bp

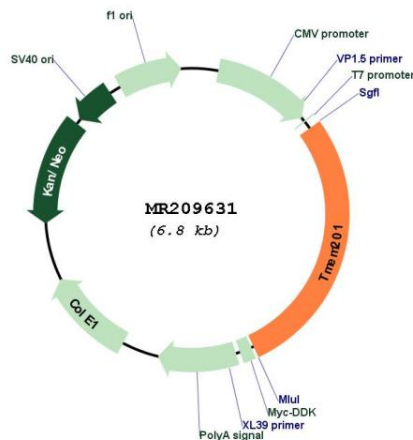
**Locus ID:** 230917

**Cytogenetics:** 4 80.15 cM

**MW:** 69.3 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for MR209631