

## Product datasheet for MR213916

### Tmem221 (NM\_001100462) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Tmem221 (NM\_001100462) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Tmem221  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >MR213916 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCCGTTCTACGGAGGTCGGGTACTGGCCGCGATGACCCTACTGGGCATCCCGGCCGCGGTGCTGG  
TCGCGCTGGCTGCGCAGCTGCTGTTCCAGCTCCAGGCAGGGCGCGCGGAGCTTCGGCGCTACGCACCGA  
CGGGCTGCACCCGGAGCTGGACCCCGATGCCGGCTACCTGAAGCTGCGGCTGGGCATTGCTGCCGCTG  
GCGACCGCGCTGGCCGCGCTGGCACAGGTCCTCGGGCTTAGCTGCTTGTCTGCTCGCCGCGCTCTGTGGTC  
ACCTGGCGCCGAGTTGGCACGCGGGCCGGCCGGGCAGCTCGGACTGGTTTCTGTATGACTGCCGCTC  
CCTCAGGCACTCAGCGCTTGGCCTGTTCTGCTGTGGGGTCTCCGCTACTTAGCAGCAGTGGCCATCTAT  
GCCCTGCTGCTGTTGAGATCGAGGCTGGCGCAGCAGCTGCATCCATCCTGGTTTCAGGTGCCCTCATCC  
TGGTGGCGATAATGACGCACACCCTGTTCCGGGCTGTTTCAGGCCACTCGTCGGGGTCTCCGGGAGCTGTC  
TCCACCATCCTTTGAAGATGAGCCGGCCCGGCCTTCAAGACTCCAAATCTGGTTGCAGAGCTCAGCCC  
CCGAGGATGAGGAAACGGAGACCCCAATAGGGGCTGTGACTACCAAGGGTCCCATTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR213916 protein sequence  
Red=Cloning site Green=Tags(s)

MGRSYGGRVLAAMTLGIPAAVLVALAAQLLFQLQAGRAELRRVRTDGLHPELDPDAGLPEAAAGALLPL  
ATALAALAQVLGSLCLLLAALCGHLGAELARGPGPRSDWFLYDCRLLRHSALGLFCCGVSVYLAALAIY  
ALLLFEIEAGAAAASILGSGALILVAIMTHTLFRAVQATRRGLRELSPPSFEDEPARPSEDSKSGCRAQP  
PQDEETETPIGAVTHQGSFH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001100462

**ORF Size:** 693 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\\_001100462.1](#), [NP\\_001093932.1](#)

**RefSeq Size:** 1539 bp

**RefSeq ORF:** 693 bp

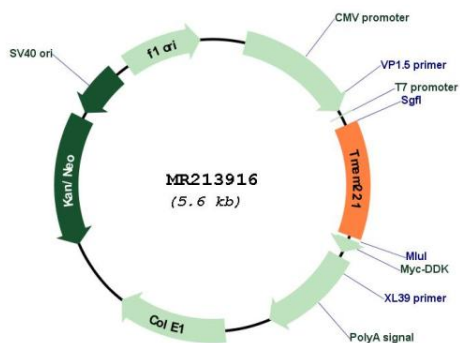
**Locus ID:** 434325

**UniProt ID:** [Q8K071](#)

Cytogenetics: 8 B3.3

MW: 24 kDa

**Product images:**



Circular map for MR213916