

## Product datasheet for MR201802

### Tmem11 (NM\_173453) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem11 (NM\_173453) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tmem11  
**Synonyms:** 5730466P16Rik; AA409091  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201802 representing NM\_173453  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGCGTGGGAAGGAGGCGTCTGGTCCGGCGCGCGGCTCCCGAGAGAGGGTCAGCCTCTCAG  
 CTACAGACTGCTACATTGTGCACGAAATCTACAGTGGGGAGAACGCCAGGACAGTTTGTAGTATGAGCT  
 GGAGCAGGCGCTGGAAGCCAGTACAAGTACATTGTGATAGAGCCACCCGAATTGGAGACGAGACAGCA  
 CGCTGGATCACCGTAGGCAATTGCCTGCACAAGACGGCCGTGTTGGCAGTACTGCCTGCCTCTCACCC  
 CATTGGCACTGCCCTGGATTACTCCACTACATCTCCCTGCCCGCTGGTGTGCTGAGCCTGGCCTGCTG  
 TACCCTCTATGGGATCTCCTGGCAGTTTGACCCTTGTGCAAGTACCAGGTGGAGTATGATGCCTATAAA  
 CTGTCCCCTGCCTCTGCACACGCTCACCTCCTCCACACAGTGGTGTGGTTCGGAAGGACGACCTGC  
 ACAGAAAGAGACTGCACAACACAATAGCCCTGGCTGCCCTGGTGTACTGTGTAAGAAGGTTTATGAGCT  
 CTACGCCGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201802 representing NM\_173453  
 Red=Cloning site Green=Tags(s)

MAAWRRRLGPGGGSRERVLSATDCYIVHEIYSGENAQDQFEYELEQALEAQYKIVIEPTRIGDETA  
 RWITVGNCLHKTAVLAGTACFLTPLALPLDYSHYISLPAGVLSLACCTLYGISWQFDPCKYQVEYDAYK  
 LSRLPLHLTSSSTPVVLVRKDDLHRKRLHNTIALAALVYCVKKVYELYAV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



Chromatograms: [https://cdn.origene.com/chromatograms/mm9064\\_d01.zip](https://cdn.origene.com/chromatograms/mm9064_d01.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_173453

ORF Size: 570 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\\_173453.3](#), [NP\\_775655.1](#)

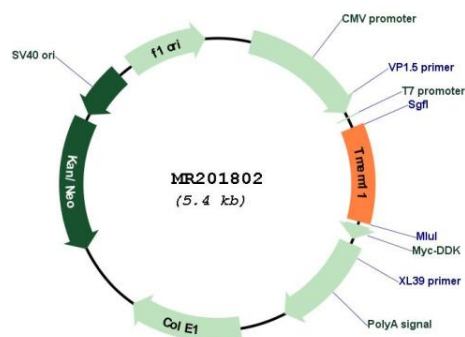
RefSeq Size: 1238 bp

RefSeq ORF: 573 bp

Locus ID: 216821

UniProt ID: [Q8BK08](#)  
Cytogenetics: 11 B2  
MW: 21.3 kDa  
Gene Summary: Plays a role in mitochondrial morphogenesis.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR201802