

## Product datasheet for MR200599

### Tmem18 (NM\_172049) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem18 (NM\_172049) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tmem18  
**Synonyms:** BC024093  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200599 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGACAGACTGGACAGAGCCGTGGCTCCTAGGACTCCTTGCCTTCCACCTGCTGTGCCTCCTTCTCA  
 CTTGCTTCTCCTCACAGAGGTATAAGCTACAGATCGGGCACTTCTGTGTCTGGTAGTGTAGTCTATAG  
 TGCCGAGTACATCAACGAAGTGGCTGCAGTGAAGTGGAGATTGTTCTCAAAGTACCAGTACTTTGACTCC  
 CGGGGGATGTTTCATTTCTTGTGTTCTCAGCGCCACTGCTCTTCAACGCCATGCTCATTGTGATTATGT  
 GGGTACGGAAGACTTTGACTGTGATGACCGACCTGAAGACCTTACAAGAGGAAAGAAAGGAGAGGAGGAG  
 GAGGAGGAAGGAAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200599 protein sequence  
 Red=Cloning site Green=Tags(s)  
 METDWTEPWLLGLLAFHLLCLLLTCFSSQRYKLQIGHFLCLVVLVYSAEYINEVAAVNWRLFVSKYQYFDS  
 RGMFISLVFSAPLLFNAMLIVIMWVRKTLVTMDLKTLEERKERRRRRKEE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_172049

**ORF Size:** 369 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\\_172049.1](#)

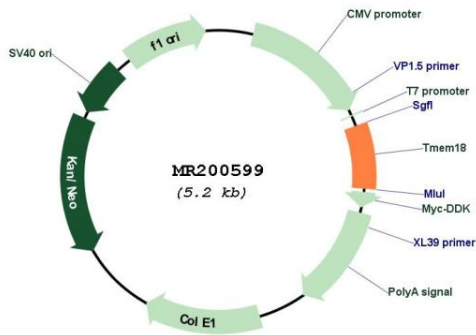
**RefSeq Size:** 2971 bp

**RefSeq ORF:** 423 bp

**Locus ID:** 211986

**UniProt ID:** Q3TUD9  
**Cytogenetics:** 12 A2  
**MW:** 14.6 kDa  
**Gene Summary:** Transcription repressor. Sequence-specific ssDNA and dsDNA binding protein, with preference for GCT end CTG repeats. Cell migration modulator which enhances the glioma-specific migration ability of neural stem cells (NSC) and neural precursor cells (NPC) (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR200599