

## Product datasheet for MR214759

### Tmem136 (NM\_001034863) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem136 (NM_001034863) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem136
Synonyms:	AA396355; Gm184
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214759 representing NM_001034863 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGTAGGTCTCTGTGTGCAGGTGCTGTGCAGCCTGGGTGGCTGGCTCTCACTCTATACATCTTTCT  
GCTGCCTGAACAAGCACCGAAGCTGTGAGTGGAGCTGTCGGCTGGTGACCTTCACCCACGGAGTCTCTC  
CATAGGCTGTCTGCTTATATTGGCTTCATCGATGGCCCTTGGCCTTTTACCCACCCAGGCTCACCGAAC  
ACACCTCTCCAAGTTCACGTTCTGTGTCTTACCTTGGGCTACTTCATCTTCGACTTGGGCTGGTGCATCT  
ATTTCCAGTCCGAGGGTCCCCTGATGCTGGCTCATCACACTGAGCATCCTGGGGATCATCATGGCCCT  
AGCACTTGGGGAGTCGGGCACAGAGGTCAATGCTGTACTCTTTGGAAGTGAGATCACCAACCCGCTGCTC  
CAGATGCGATGGTTTCTCCGGGAAACTGGCCACTATCACAGTTTACGGGGATGTGGTGGACTTCTCT  
TTGTGGCTCTGTTCACTGGTGTGAGGATTGGTGTGGGCGCTCATCTCCTTTTCTGTGAAATGGTCTCACC  
CACCCCAAGTGGTTTGTGAAGTTGGGGGTGTGGCGATGTATGCTGTGTCTTGGTGTCTCATGGTTAGC  
ATCTGGCGCTTTGCATGGAAGAAAAGCATCAAGAAGTACCATGCGTGGAGAAGCAGACGGAATGAAGAGC  
GGCAGCTAAGACACAATGGGCATCTCAAGACACAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR214759 representing NM\_001034863  
Red=Cloning site Green=Tags(s)

MAVGLCVQLCSLGGWLSLYTSFCCLNKHRSCEWSCRLVTFTHGVL SIGLSAYIGFIDGPWFTHPGSPN  
 TPLQVHVLCLTLGYFIFDLGWCIYFQSEGPLMLAHTLSILGIIMALALGESGTEVNAVLFGSEITNPLL  
 QMRWFLRETGHYHSFTGDVVDLFLVALFTGVRIGVGAHLLFCEMVSPTPKWFVKVGGVAMYAVSWCFMVS  
 IWRFAWKKSIKKYHAWRSRRNEERQLRHNGHLKTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9065\\_a02.zip](https://cdn.origene.com/chromatograms/mm9065_a02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001034863

**ORF Size:** 735 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\\_001034863.3](#), [NP\\_001030035.1](#)

**RefSeq Size:** 3500 bp

**RefSeq ORF:** 738 bp

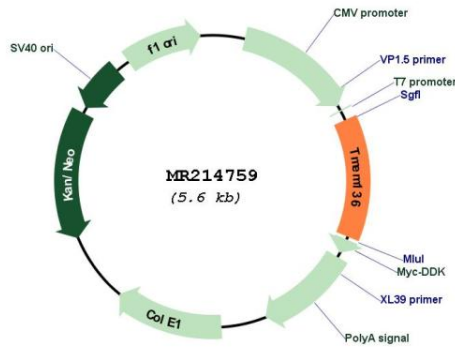
**Locus ID:** 235300

**UniProt ID:** [Q3TYE7](#)

**Cytogenetics:** 9 A5.1

**MW:** 27.7 kDa

**Product images:**



Circular map for MR214759