

## Product datasheet for **MR214986**

### **Tmem40 (NM\_144805) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem40 (NM\_144805) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tmem40  
**Synonyms:** 9030407H20Rik; AV091463; W64236  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR214986 representing NM\_144805  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCTTCAGGATCTTCTCCAGTCTCAAGACAGTGGTGGAGTCCACAGGAAACGGAAGATCACT  
ACCAAGAGACAGAGCTCCACAAGCATCATGGGAAGGCCCGGGAGCGATATAAGAGAGACAAGTCTTCCTC  
TTCATCCTCATCCTCGTCATCTTCTCCTCCTCTCCTCCTCATCTTCTCCTCCTCCTCAGACAGCAGC  
GATGAGGACCAGCCCTCCAGAGGTCAGGAAACACAGAAGGAGGCCCGCAGGGACAGCTTGCCTGGT  
CCGACCATGGGGAAGTGAAGTGCTAAAGGACGAGCTTCAGCTCTGCGGAGGTGCTGCTGGGAAATGGT  
GCCTACTGGGGAGTCAGGACTCCGAAGGAGAGGTTCCGGCTCAGCGGAGGGAGAAGTGGAGGCCTCTCAG  
TTAAGAAGACTGAACATAAAGAAGGATGATGAGTTTTTCCATTTTGCCTTCTGCTTTGCCATCGGAG  
CCTTGCTGGTGTGTTACCACTACTATGCAGACTGGTTCATGTCCCTCGGGGTCGGCCTGCTCACCTTTGC  
TTCTCTCGAGACCATTGGCATCTATTTCCGGCTCGTGTACCGGATCCACAGCGTGCTTCAGGGCTTCATC  
CCCCTCCTCAGAAGTCCGGCTGCCAGGGTTCAGGAGAACTAAC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR214986 representing NM\_144805  
Red=Cloning site Green=Tags(s)

```
MEASGSSSQSQDSGGVHRETEDHYQETELHKHHGKARERYKRDKSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS
DEDQPSRGP RKHRRRPRRDSL R GADHGELEVLKDELQLCGGAAGEMVPTGESGLRRRGSGSAEGEVEASQ
LRRLN IKK D E F F H V L L C F A I G A L L V C Y H Y Y A D W F M S L G V G L L T F A S L E T I G I Y F G L V Y R I H S V L Q G F I
P L L Q K F R L P G F R R T N
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9028\\_b03.zip](https://cdn.origene.com/chromatograms/mm9028_b03.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\_144805

**ORF Size:** 675 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\\_144805.2](#), [NP\\_659054.2](#)

**RefSeq Size:** 1282 bp

**RefSeq ORF:** 678 bp

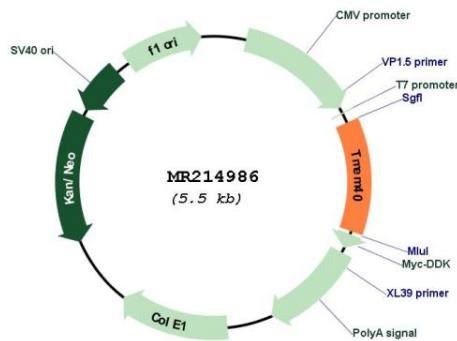
**Locus ID:** 94346

**UniProt ID:** [Q4FIU9](#)

**Cytogenetics:** 6 E3

**MW:** 25.4 kDa

**Product images:**



Circular map for MR214986