

## Product datasheet for MR214987

### Tmem40 (NM\_001168256) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem40 (NM_001168256) 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:	>MR214987 representing NM_001168256 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGAGGCTTCAGGATCTTCTCCAGTCTCAAGACAGTGGTGGAGTCCACAGGAAACGGAAGATCACT  
ACCAAGAGACAGAGCTCCACAAGCATCATGGGAAGGCCCGGGAGCGATATAAGAGAGACAAGTCTTCCTC  
TTCATCCTCATCCTCGTCATCTTCTCCTCCTCTCCTCCTCATCTTCTCCTCCTCCTCAGACAGCAGC  
GATGAGGACCAGCCCTCCAGAGGTCACAGAAACACAGAAGGAGGCCCGCAGGGACAGCTTGCCTGGT  
CCGACCATGGGGAAGTGAAGTGCTAAAGGACGAGCTTCAGCTCTGCGGAGGTGCTGCTGGGAAATGGT  
GCCTACTGGGGAGTCAGGACTCCGAAGGAGAGGTTCCGGCTCAGCGGAGGGAGAAGTGGAGGCCTCTCAG  
TTAAGAAGACTGAACATAAAGAAGGATGATGAGTTTTTCCATTTTGCCTTCTGCTTTGCCATCGGAG  
CCTTGCTGGTGTGTACCCTACTATGCAGACTGGTTCATGTCCCTCGGGGTCGGCCTGCTCACCTTTGC  
TTCTCTCGAGACCATTGGCATCTATTCGGGCTCGTGTACCGGATCCACAGCGTGCTTCAGGGCTTCATC  
CCCCTCCTCAGAAGTTCGGGCTGCCAGGGTTCAGGAGAACTAAC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR214987 representing NM\_001168256  
Red=Cloning site Green=Tags(s)

MEASGSSSQSDSGGVHRETEDHYQETELHKHHGKARERYKRDKSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS  
 DEDQPSRGP RKHRRRPRRDSL R GADHGELEVLKDELQLCGGAAGEMVPTGESGLRRRSGS AEGEVEASQ  
 LRR LNIKKDDEFFHFVLLCFAIGALLVCYHYADWFMSLGVGLLTFASLETIGIYFGLVYRIH SVLQGF I  
 PLLQKFRLPGFRRTN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_001168256

**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\\_001168256.1](#), [NP\\_001161728.1](#)

**RefSeq Size:** 1414 bp

**RefSeq ORF:** 678 bp

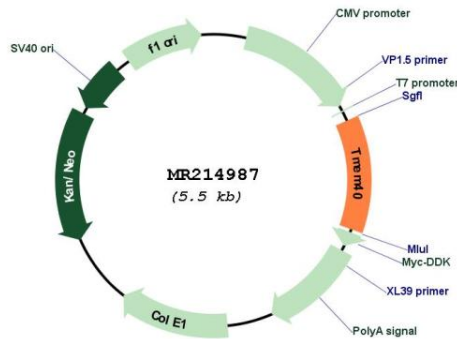
**Locus ID:** 94346

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

**Cytogenetics:** 6 E3

**MW:** 24.9 kDa

**Product images:**



Circular map for MR214987