

Product datasheet for **MG214986**

Tmem40 (NM_144805) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Tmem40
Synonyms: 9030407H20Rik; AV091463; W64236
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214986 representing NM_144805
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGGCTTCAGGATCTTCTCCAGTCTCAAGACAGTGGTGGAGTCCACAGGAAACGGAAGATCACT
 ACCAAGAGACAGAGCTCCACAAGCATCATGGGAAGGCCCGGGAGCGATATAAGAGAGACAAGTCTTCCTC
 TTCATCCTCATCCTCGTCATCTTCTCCTCCTCTCCTCCTCATCTTCTCCTCCTCCTCAGACAGCAGC
 GATGAGGACCAGCCCTCCAGAGTCCCAGGAAACAGAAAGGAGGCCCGCAGGGACAGCTTGCGTGGTG
 CCGACCATGGGGAAGTGAAGTGCTAAAGGACGAGCTTCAGCTCTCGGAGGTGCTGCTGGGAAATGGT
 GCCTACTGGGAGTCAGGACTCCGAAGGAGAGGTTCCGGCTCAGCGGAGGGAGAAGTGGAGGCCTCTCAG
 TTAAGAAGACTGAACATAAAGAAGGATGATGAGTTTTTCCATTTTGTCTTCTCTGCTTTGCCATCGGAG
 CCTTGTGGTGTGTACCACTACTATGCAGACTGGTCCATGTCCCTCGGGTTCGGCTGCTCACCTTTGC
 TTCTCTCGAGACCATGGCATCTATTCGGGCTCGTGTACCGGATCCACAGCGTCTTCAGGGCTTCATC
 CCCCTCCTCAGAAGTCCGGCTGCCAGGGTTCAGGAGAACTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214986 representing NM_144805
 Red=Cloning site Green=Tags(s)

MEASGSSSQSDSGGVHRETDHYQETELHKHHGKARERYKRDKSSSSSSSSSSSSSSSSSSSSSSDSS
 DEDQPSRGP RKHRRRPRRSLRGADHGELEVLKDELQLCGGAAGEMVPTGESGLRRRSGS SAEGEVEASQ
 LRLNLIKKDEFFHFVLLCFAIGALLVCYHYADWSMSLVGLLTFASLETIGIYFGLVYRIHSLVQGF I
 PLLQKFR L PGRRTN

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



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:

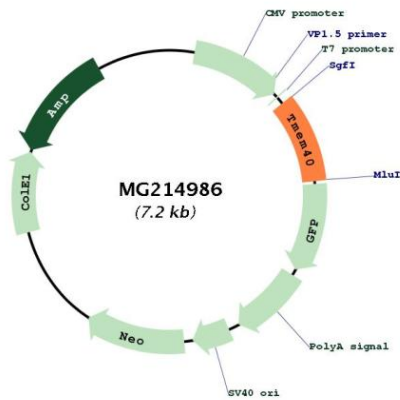
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_144805.1](#)

RefSeq Size: 1282 bp
 RefSeq ORF: 678 bp
 Locus ID: 94346
 UniProt ID: [Q4FJU9](#)
 Cytogenetics: 6 E3

Product images:



Circular map for MG214986