

## Product datasheet for **RG203846**

### **TMEM169 (NM\_138390) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMEM169 (NM\_138390) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TMEM169  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG203846 representing NM\_138390  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGAGCCAACAGCAGTAGAAGGCCAGGTCCAGCTTCCAAGCCCCACCAGGGCTCTCTCAGGAAGG  
CTGTGGCTGCTGCCCTGGCGCTGGATGGGAATCCACAATGGGGCACAGGAAAAAGAGGAAAGAGTC  
ACGCCAGAATCCATCATCATCTACCGCTCAGACAATGAGAAAACAGATGAGGAGCCCGGAGAATCAGAA  
GGTGGAGATCAGCCTAAAGAGGAGGAGGGAGATGATTTCTAGACTATCCTGTGGATGATGATATGTGGA  
ACCTGCCTCTGGACAGCCGCTACGTCACCTTAACTGGGACCATCACACGAGGGAAGAAAAAGGGTCAGAT  
GGTGGACATCCATGTACATTGACAGAGAAAGAGCTGCAGGAACCTGACCAAACCTAAAGAGTCATCAAGG  
GAAACGACGCCTGAAGGAAGAATGGCCTGCCAGATGGGAGCTGACCGTGGGCCCCATGTGGTCCTCTGGA  
CGCTGATCTGCCTGCCTGTGGTTTTTCATCCTTTCTTTTGTGTCTTTTCTACTACGGCACTATCACCTG  
GTACAACATCTTCTCGTGTATAATGAGGAAAGGACCTTCTGGCACAAGATCTCGTATTGCCCTTGCCTC  
GTTCTCTTCTATCCAGTGCTCATCATGGCCATGGCTTCTCCCTCGGCCTCTACGCTGCTGTGGTCCAGC  
TCTCGTGGTCTGGGAAGCATGGTGGCAAGCTGCCCGGACATGGAGAAAGGCTTCTGTGGCTGGCTCTG  
CAGCAAGCTGGGCTGGAGGACTGTTCTCCCTACAGCATTGTGGAGTTGCTTGAATCCGACAATATCTCA  
AGCACTCTCCAACAAGGACCCATCCAAGAAGTAGAAACCTCCACGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203846 representing NM\_138390  
 Red=Cloning site Green=Tags(s)

MEEPTAVEGQVQLPSPHQGSLRKAVAAALDGESTMGHRKKRKRKESRPESIIYRSDNEKTDEEPPGESE  
 GGDQPKEEEGDDFLDYPVDDDMWNLPLDSRYVTLTGTITRGGKKKGQMVDIHVTLTEKELQELTKPKESSR  
 ETTPEGRMACQMGADRGPVVVLTWLICLPVVFILSFVVSFYYGTITWYNI FLVYNEERTFWHKISYCPCL  
 VLFYFVLI MAMASSLGLYAAVVQLSWSWEAWWQAARDMEKGF CGWLC SKL GLEDCSPYSIVELLESDNIS  
 STLSNKDPIQE VETSTV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_138390

**ORF Size:** 891 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\\_138390.4](#)

**RefSeq Size:** 3307 bp

**RefSeq ORF:** 894 bp

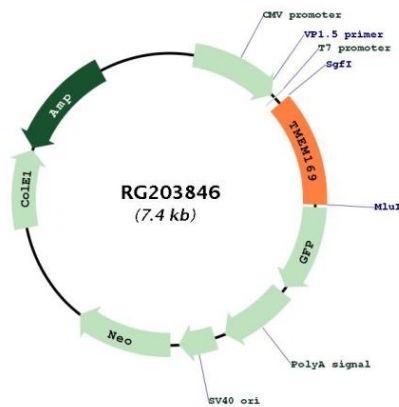
**Locus ID:** 92691

**UniProt ID:** [Q96HH4](#)

**Cytogenetics:** 2q35

**Protein Families:** Transmembrane

**Product images:**



Circular map for RG203846