

## Product datasheet for **RG221912**

### **TMEM39B (NM\_018056) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TMEM39B (NM_018056) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM39B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG221912 representing NM\_018056  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGAGGACGAAGAGGTCCCAACAGGACATCTTACTGTGAAATCCGCTCTGTGAGCCGGGATCCTCGG  
 GGGGCTCTAGTGAAGCCACACTTCCAGTGCATCGGTGACCAGTGTTCGTTCCCGCACCAGGAGCAGTTC  
 TGGAAACAGGCCTCTCCAGCCCTCTCTGCCCACCAAACCTGTTGTGCCTCTACAGCACTGCAAGATCCCC  
 GAGCTGCCAGTCCAGGCCAGCATTCTGTTTGTGAGTTGCAGCTCTTCTTCTGCCAGCTCATAGCACTTTCG  
 TCCACTACATCAACATCTACAAGACAGTGTGGTGGTATCCACCTTCCACCCACCCTCCACACCTCCCT  
 GAATTCCATCTGATCGACTTCAACTTGTCTGATGGTGACCACCATCGTTCTGGGCCGCCGCTTCATTGGG  
 TCCATCGTGAAGGAGGCCTCTCAGAGGGGAAGGTCTCCCTCTTTCGCTCCATCTGCTGTTCTCTCACTC  
 GCTTACCCTTCTCACGGCAACAGGCTGGAGTCTGTGCCGATCCCTCATCCACCTCTTCAGGACCTACTC  
 TTCTCTGAACCTCTGTTCTCTGCTATCCGTTTGGGATGTACATTCCGTTCTGCAGCTGAATTGGCAC  
 CTCGCAAGACAAGCCTCTTCAACCACATGGCCTCCATGGGGCCCGGGAGGCGGTCACTGGCCTGGCAA  
 AGAGCCGGGACTACCTCCTGACACTGCGGGAGACGTGGAAGCAGCACACAAGACAGCTGTATGGCCCGGA  
 CGCCATGCCACCCATGCCTGCTGCCTGTCAACCCAGCCTCATCCGAGTGAAGTGGAGTTCTCAAGATG  
 GACTTCAACTGGCGCATGAAGGAAGTGTCTGCTCAGCTCCATGCTGAGCGCCTACTATGTGGCCTTTGTGC  
 CTGTCTGGTTCGTGAAGAACACACATTACTATGACAAGCGCTGGTCTGTGAACCTTCTCTGCTGGTGTG  
 CATCAGCACCTCCGTGATCCTCATGCAGCACCTGCTGCCTGCCAGCTACTGTGACCTGCTGCACAAGGCC  
 GCCGCCCATCTGGGCTGTTGGCAGAAGTGGACCAGCGCTGTGCTCCAACGTGCTGCAGCACCCGTGGA  
 CTGAAGAATGCATGTGGCCGAGGCGTGTGGTGAAGCACAGCAAGAAGTCTACAAGCCGTAGGCCA  
 CTACAACGTGGCTATCCCCTCTGAGCTCTCCACTTCCGCTTCCATTTCTTTTTCAGCAAACCCCTGCGG  
 ATCCTCAACATCCTCCTGCTGCTGGAGGCGCTGTATTGTCTATCAGCTGTACTCCCTAATGCTCCTCTG  
 AAAAGTGGCACCAGACCTCTCGCTGGCCCTCATCCTCTTTCAGCAACTACTATGCCTTCTTCAAGCTGCT  
 CCGGGACCGCTTGGTATTGGCAAGGCCTACTCATACTCTGCTAGCCCCCAGAGAGACCTGGACCACCGT  
 TTCTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG221912 representing NM\_018056  
 Red=Cloning site Green=Tags(s)

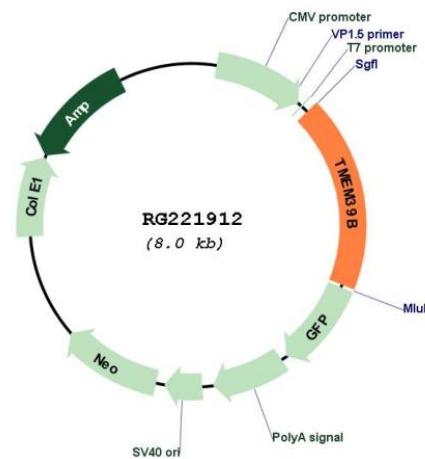
MGRRRGNRNTSYCRNPLCEPGSSGSSGSHSTSSASVTSVRSRTRSSSGTGLSSPPLATQTVVPLQHCKIP  
 ELPVQASILFELQLFFCQLIALFVHYINIYKTVWWYPPSHPPSHSLNFHLIDFNLLMVTIIVLGRRFIG  
 SIVKEASQRGKVSIFRSILLFLTRFTVL TATGWSLCRSLIHLFRTYSFLNLLFLCYPFMGYIPFLQLNCD  
 LRKTSLFNHMASMGPREAVSGLAKSRDYLLTLRETWKQHTRQLYGPDAMPHTACCLSPSLIRSEVEFLKM  
 DFNWRMKEVLVSSML SAYYVAFVPVWFVKNTHYDKRWSCELFLLVSI STSVILMQHLLPASYCDLLHKA  
 AAHLGCWQKQVDPALCSNVLQHPWTEECMWPQGVLVKHSKNVYKAVGHYNVAIPSDVSHFRHFFFSKPLR  
 ILNILLLEGAIVYQLYSLMSSEKWHQITISLALILFSNYAFAFKLLRDRLVLGKAYSYSASPQRDLDFR  
 FS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_018056

**ORF Size:** 1476 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\\_018056.4](#)

**RefSeq Size:** 1834 bp

**RefSeq ORF:** 1479 bp

**Locus ID:** 55116

**UniProt ID:** [Q9GZU3](#)

**Cytogenetics:** 1p35.2

**Protein Families:** Transmembrane