

## Product datasheet for **RG207692**

### TMEM199 (NM\_152464) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMEM199 (NM\_152464) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TMEM199  
**Synonyms:** C17orf32; CDG2P; VMA12; VPH2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG207692 representing NM\_152464  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGTCCTCTTTGCTTGC GGCGAGCGATTGGTGC GTGCTTTGGCCCCGGCGGGGAGCTGGAGCCAG  
 AGCGGCTACCCGAAAGCTGCGGGCCGAGCTTGAGGCCGCGTGGGAAGAAGCACAAAGGCGGTGATAG  
 CTCAGTGGCCCCAACGCTTGGTTTCTTCCGTCTCATCCGGATCTGCACCAGCATCTGAGAGAAAGG  
 GATTCCAACTATACCTCATGAGCTCCTAGAAGGCAGTAAATCTATCTCCAGAGTTGTGAAGCCTC  
 CACGGAACCCAGAACTAGTTGCCCGGCTGGAGAAGATTAAGATACAGCTGGCCAATGAGGAATATAACG  
 GATCACCCGCAACGTCACTTGTCAAGATACAAGACATGGTGGGACTCTCAGCGACCTGGAAAGCAAGTG  
 AGATCATTGAAGGCTCTGGTCATCACCATCTTCAATTTCAATTGTCACGGTGGTTGCTGCCTTCGTCTGCA  
 CTTACCTTGAAGCCAATATATCTTACAGAAATGGCCTCGCGGGTGCTAGCTGCATTGATCGTCGCTC  
 TGTGGTGGTCTGGCCGAGCTGTATGTCATGGTGC GGCAATGGAAGCGAGCTGGGAGA ACTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG207692 representing NM\_152464  
 Red=Cloning site Green=Tags(s)

MASLLAGERLVRALGPGGELEPERLPRKLRAELEAALGKKHKGGDSSSGPQRLVSFRLIRDHLHQHLRER  
 DSKLYLHELLEGSEIYLPEVVKPPRNPELVARLEKIKIQLANEEYKRITRNVTCQDTRHGGTLDLGLKQV  
 RSLKALVITIFNFIVTVVAAFVCTYLG SQYIFTEMASRVLAALIVASVGLAELVYVMRAMEGELGEL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_152464

**ORF Size:** 624 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\\_152464.3](#)

**RefSeq Size:** 1466 bp

**RefSeq ORF:** 627 bp

**Locus ID:** 147007

**UniProt ID:** [Q8N511](#)

**Cytogenetics:** 17q11.2

**Protein Families:** Transmembrane

**Gene Summary:** The protein encoded by this gene has been observed to localize to the endoplasmic reticulum (ER)-Golgi intermediate compartment (ERGIC) and coat protein complex I (COPI) in some human cells. The encoded protein shares some homology with the yeast protein Vma12. Defects in this gene are a cause of congenital disorder of glycosylation, type IIp. [provided by RefSeq, Mar 2016]

**Product images:**



Circular map for RG207692