

## Product datasheet for **RG205538**

### TMEM171 (NM\_173490) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMEM171 (NM\_173490) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TMEM171  
**Synonyms:** PRP2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG205538 representing NM\_173490  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCTCTCGAGCTGCTGCTGAGCCAGATGGGGACCAGCAGGACAGACACGTCAGCAAACCTCATCCTCT  
 GCTTCTTTGTCTTCGGCGCCGCTTGTGTGTGTGGGAGTCTGCTCTCCATCTTTGGGTTCCAGGCATG  
 CCAATAAAGCCCTCCCAGACTGCCCCATGGTGTCAAGGTGGCGGGCCTGCATGTGCCGTGGTTGGG  
 CTTGGGGCTGTGATCCTGGCCCGCTCCCGGGCGCAACTTCAGCTCCGTGCAGGGCTGCAGAGAGGTCAGC  
 AGATGGACCCCGACCGAGCCTTCATCTGTGGAGAGAGCCCGCAGTTTGCCAGTGCCTTATCTTTGGGTT  
 TCTGTTCTTGACAAGCGGCATGCTCATCAGCGTCTGGGCATTTGGGTCCCTGGATGTGGCTCCAAGTGG  
 GCGCAGGAACCGCTAAACGAGACAGACTGGCGACTCAGAGCCCCGGATGTGTGGGTTCTTTCTCTGC  
 AGATCATGGGGCCCTTGATTGTGCTTGTGGGATTGTGTTTCTTCGTGGTTGCCCATGTTAAGAAGAGAAA  
 CACGCTGAATGCTGGCCAGGATGCCTCTGAGAGAGAAGAGGGACAGATCCAGATTATGGAGCCTGTCCAG  
 GTCAGTGTAGGTGACTCGGTAATAATATTTCCACCCCTCCACCCTTACTTTCTGAATCTTCAGCTT  
 CTGCGGTCGCTGAGAGTCTGGAATAACAGTCTGCTTCCGAATGAAAACCCCTTCATATTACAGTAT  
 TTTCAACTATGGCAGGACCCCAACTTCAGAGGGTGCAGCCTCTGAAAGAGACTGTGAATCTATATATACC  
 ATTTCTGGGACGAATTCATCTTCTGAGGCCTCACACACTCCACATCTTCCATCTGAATTGCCTCCTAGAT  
 ATGAAGAAAAGAAAATGCTGCAGCTACATTCTGCCTCTATCTTCTGAGCCTTCCCCACCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205538 representing NM\_173490  
Red=Cloning site Green=Tags(s)

MSPAAAAPDGDQQRHVSKLILCFFVFGAVLLCVGVLLSIFGFQACQYKPLPDCPMVLKVAGPACAVVG  
 LGAVILARSRAQLQLRAGLQRGQMDPDRAFICGESRQFAQCLIFGFLFLTSGLISVLGIWVPGCGSNW  
 AQEPLNETDTGDSEPRMCGFLSLQIMGPLIVLVGLCFFVVAHVKKRNTLNAGQDASEREEGQIQIMEPVQ  
 VTVGDSVIFPPPPPPYFPESASAVAESPGTNSLLPNENPPSYYSIFNYGRTPTSEGAASERDCESIYT  
 ISGTNSSSEASHTPHLPSELPPRYEEKENAAATFLPLSSEPSPP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_173490

**ORF Size:** 972 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\\_173490.5](#)

**RefSeq Size:** 1265 bp

**RefSeq ORF:** 975 bp

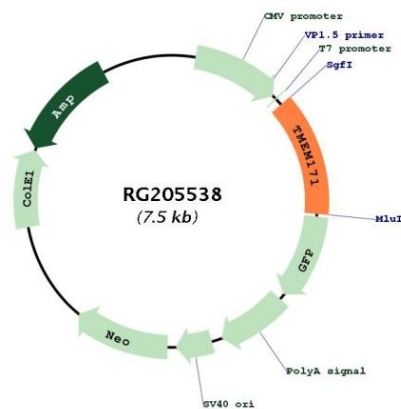
**Locus ID:** 134285

**UniProt ID:** [Q8WVE6](#)

**Cytogenetics:** 5q13.2

**Protein Families:** Druggable Genome, GPCR, Transmembrane

### Product images:



Circular map for RG205538