

## Product datasheet for **RG202978**

### TMEM174 (NM\_153217) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMEM174 (NM\_153217) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TMEM174  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG202978 representing NM\_153217  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGCAGGGCAGCGCCGCTTGGAGGACTTCCTGTCAATGTGTTCTCCGTCCTTACACACCCA  
 GCACCGCTGACATCCAGGTGCCGATGATGACAAGGCGGGGCCACCTTGCTCTTCTCAGGCATCTTTCT  
 GGGACTGGTGGGGATCACATTCCTGTCATGGGCTGGATCAAATACCAAGGTGTCTCCACTTTGAATGG  
 ACCCAGCTCCTTGGCCCGTCTGCTGTCAGTTGGGTGACATTCATCCTGATTGCTGTGTGCAAGTTCA  
 AAATGCTCTCCTGCCAGTTGTGCAAAGAAAGTGAAGAAAGGTCCTCCGACTCGGAACAGACACAGGAGG  
 ACCATCATTTGTTTTACTGGCATCAACCAACCCATCACCTTCCATGGGGCCACTGTGGTGAGTACATC  
 CCTCCTCCTTATGTTTCTCCAGAGCCTATGGGGATAAATACCAGCTACCTGCAGTCTGTGGTGAGCCCT  
 GCGGCCTCATAACCTCTGGAGGGCAGCAGCCGCATGTCAAGTCTCCTCAATACTACACCATCTACCC  
 TCAAGATAACTCTGCATTTGTGTTGATGAGGGCTGCCTTTCTTTCACGGACGGTGGAAATCACAGGCC  
 AATCCTGATGTTGACCAGCTAGAAGAGACACAGCTGGAAGAGGAGGCCTGTGCCTGCTTCTCCTCCCC  
 CTTATGAAGAAATATACTCTCCTCCG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG202978 representing NM\_153217  
 Red=Cloning site Green=Tags(s)

MEQSGRLEDFPVNVFVTPYTPSTADIQVSDDDKAGATLLFSGIFLGLVGITFTVMGWIKYQGVSHFEW  
 TQLLGPVLLSVGVTFILIAVCKFKMLSCQLCKESEERVPDSEQTPGGPSFVFTGINQPITFHGATVVQYI  
 PPPYGSPEPMGINTSYLQSVVSPCLITSGGAAAAMSSPPQYYTIYPQDNASAFVVDGCLSFDTGGNHRP  
 NPDVDQLEETQLEEEACACFSPPPYEEIYSLPR

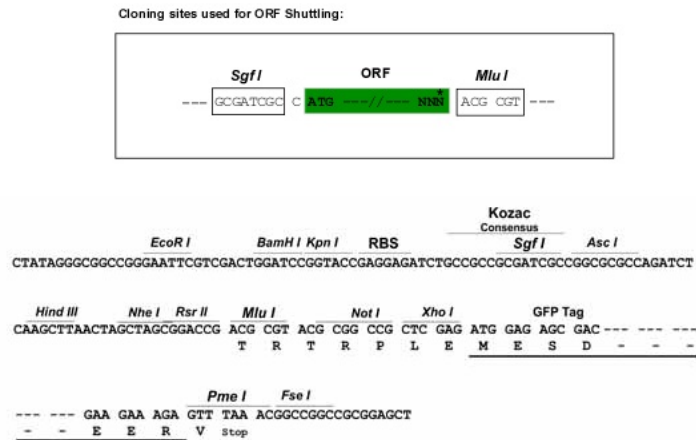
**TRTRPLE** - GFP Tag - V



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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_153217

**ORF Size:** 729 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\\_153217.3](#)

**RefSeq Size:** 1354 bp

**RefSeq ORF:** 732 bp

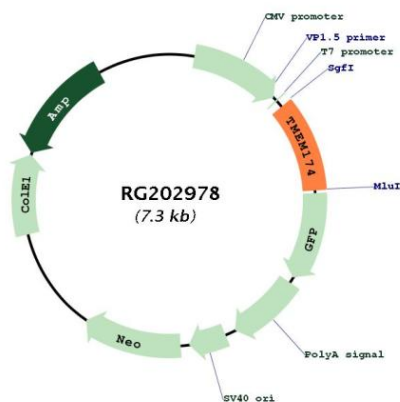
**Locus ID:** 134288

**UniProt ID:** [Q8WUU8](#)

Cytogenetics: 5q13.2

Protein Families: Transmembrane

**Product images:**



Circular map for RG202978