

## Product datasheet for **MG212858**

### **Tmem200a (NM\_029881) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                         |
| Product Name:             | Tmem200a (NM_029881) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                    |
| Symbol:                   | Tmem200a                                    |
| Synonyms:                 | C030003D03Rik                               |
| Mammalian Cell Selection: | Neomycin                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                      |



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**ORF Nucleotide Sequence:**

>MG212858 representing NM\_029881  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATAGCCACTGGTGGGGTTCATCACCGCCTGGCGCCTTGAAGCGGCAGGACTCTGCCAGGTCTCAGC  
 AACACATTAACCTCAGCCCACTGCCTGCTACCCAGGATCAGAAACCCGTCAGACGCGCCACGAGCAGA  
 TGTTGTGGTGGTCCGTGGGAAAATCCGACTTTATTCTCCATCTGGCTTTTCTCATTCTGGGAGTGCTG  
 GTGTCCATCATAGGAATCGCCATGGCAGTCTTGGATATTGGCCCCAGAAGGAGCACTTCATTGACGCAG  
 AGACCAGCTGTCCACCAATGAGACCAAGTGGTTCGGAACAGGGCGGTGGTGGTGCCTTCTTTGA  
 GCAGCATCTACATTCCGATAAGATGAAGATGCTTGGCCCGTTCACCATGGGCATCGGCATCTTCATTTTC  
 ATCTGCGCAATGCCATTCTTCATGAGAACCGCGACAAAGAAACCAAAATCATCCACATGAGGGATATCT  
 ACTCCACAGTCATCGACATCCACTCTGAGACTCAAGGAGCAGAAGCAGGCAAAATGGCCTATACGCAGG  
 CTTGCTGGGAGACACAGAAGTGAAGCAGAACGGCAGCCCTGTGCATCCAGGCTGGCTGCCACCACCTTG  
 GCCTCCTTCTCAGGGATCGGGAACAGCTTTCGGGTGGACAGCTCTGTGGAGGAGGATGAAGTGTGTTGA  
 CTGAAAGTAAGAGCCTGGGGCACCTCATGCCCCCGTTGCTATCTGACAGTGCAGTCTCTGTCTTTGGCCT  
 TTATCCACCTCCAGCCAAGGCCACCGATGACAAGGCCAGCAGCTCCAAGAAGTGTGACACCAATCGATT  
 GTGTGTCATCCATCAGTGTCTTTCACGCTACCTGTGATCAAGCTTAATAACTGTGTCAATTGACGAGCCCA  
 GTATAGACAGCATCACTGAGGTCGCAGACAACCTCAAAGTCCAGGAATCTTCCATGGATTCCCT  
 CGTGGTCCCAGTCCGAGCTCTGGTGTGCTTTCAGCCTGTGTACGTTACTCCAAGGAACAATTCC  
 GTTGGGGAGTCCCTATCTAGTCAATAAAGTCTCTGTGGCTCTGGGCCCCGGGACTGGACAGCTCTTGT  
 CTCCGGGAGTGAAGAAGACAGATTTGGCTCCAACACATCCTTGCATTTGCTCTTCTCACTCCAATC  
 CCTAGACTTAGACAGAGTCCCTCCACACTCACCGTGCACGCAGAAACAAAGGAAGCACCCGAGCTGGCCC  
 CGTTGGATCGGAGCAACAGCAAAGGTATATGAGACTGGAGAACAAGAGGACCCGATGGATCGGTTGC  
 TCGTTCCCAAACAGCAATCAAAAAGATTTTACCAATAAAGAGAAAATTCTCATGATCTCAAGATCTCA  
 TAACAATTGAGTTTTGAACATGATGAGTTTTTGGAGTAACAATTGAAGCGAGGAACTTCTGAGACAAGG  
 TTT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG212858 representing NM\_029881  
 Red=Cloning site Green=Tags(s)

MIATGGVITGLAALKRQDSARSQQHINLSPLPATQDQKPVRRRPRADVVRGKIRLYSPSGFFLILGVL  
 VSIIGIAMAVLGYWPQKEHFIDAETTLSTNETQVVRNQQGVVVRFFEQHLHSDKMKMLGPFMTMIGIFIF  
 ICANAILHENRDKETKIIHMRDIYSTVIDIHTLRLKEQKQANGLYAGLLGDTEVKQNGSPCASRLAATTL  
 ASFSGMRNSFRVDSSVEEDELMLTESKSLGHLMPPLSDSAVSFGLYPPPAKATDDKASSKKCDTKSI  
 VSSSISAFITLPVIKLNLCVIDEPSIDSITEVADNLKTRSRNLSMDSLVPPLPSSGESFQPAVTLLPRNNS  
 VGESLSSQYKSSVALGPGTGQLLSPGAARRQFGSNTSLHLLSSHKSLDLDRGPSTLTVHAEQRKHPSPW  
 RLDRSNSKGYMRENKEDPMDRLLVPQTAIKKDFTNKEKLLMISRSHNLSFEHDEFLLNNLKRGTSETR  
 F

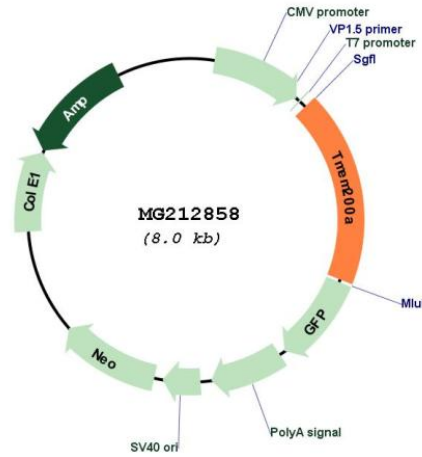
**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-Mlul



Plasmid Map:



ACCN: NM\_029881

ORF Size: 1473 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\\_029881.4](#)

**RefSeq Size:** 4115 bp

**RefSeq ORF:** 1476 bp

**Locus ID:** 77220

**UniProt ID:** [Q8C817](#)

**Cytogenetics:** 10 A4