

Product datasheet for **MG221152**

Tmem270 (NM_029681) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem270 (NM_029681) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tmem270
Synonyms: 1700111I05Rik; Wbscr28
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG221152 representing NM_029681
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGCCGCTCCCGGGTCAGATCTGGCCTTCTCAGAATTCTCTGCGGGCTGGGAGGCTCTCTGCAC
 TGCTGATCCAGAACCGCACTCACTTGTACCGCTTTCTGCTCCTGAAGATGGCCATCTTTCAGCACTGGGT
 GTTGGGGCTGGCCAGGAAGCCCGGGTTCAGGCAGTGACCAGGCCCGCCAGCTCCGGAAGTCATCATA
 ACCTGTGCTCTGAGTTTGGCCCTCGAGCTGGACTAACATTGCTGTGGTCCCATGTGGCTGCTGCTCT
 GGGGACCCAGGCTGGCATACAGAGTCGGGCTGTGCTGCACTCGTACTGTGAGGTTGGCCCTGGGGCATCT
 CTGTGTCTGTGAACCTCTCGGTCTGTCTCCAGCCACCTTCAGGGACCTGTTTCTATCCTGCCTGCACAGC
 CTGATGCTGGTAGCTTTGCTGCTGCTGCTAACTGGAAGCTGATGCAGAAAGCCCATCACTTTAGTC
 TGGGCTGGCTGCCAGTCAGGGCTGGGGCCGGGCTCAAACCTGGCCGACTTGAGCCATCCTTCCAGTCC
 TTACCAATGCTCTTGCTGGCCGACCTCCTGCAGAATTCTGTGTTGCTGGAAGCCCGGCCCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221152 representing NM_029681
 Red=Cloning site Green=Tags(s)

MEAAPRVRSGLLRILLRAGRLSALLIQNRTHLYRFLLLKMAIFQHWVLGLAQEARSGSDQARQLPEVII
 TCALSLALRAGLTLLWVPMWLLWGPRLAYRVGLCCTRTVRLALGHLVCVEPLGLSPATFRDLFLSCLHS
 LMLVALLLLLLTWKLMQKAHHSFGWLPSPQGWGRGNSLADLSHPSSPYQCSCLAGPSCRILCCWKPRPC

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

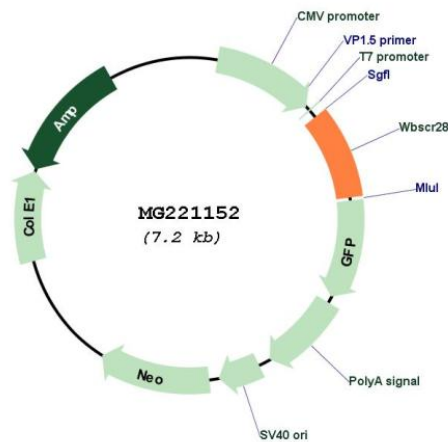


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Cloning Scheme:



Plasmid Map:



ACCN: NM_029681

ORF Size: 627 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_029681.3](#), [NP_083957.1](#)

RefSeq Size: 932 bp

RefSeq ORF: 630 bp

Locus ID: 76629

UniProt ID: [Q6UJB9](#)

Cytogenetics: 5 G2