

Product datasheet for **RG223077**

TMEM68 (NM_152417) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM68 (NM_152417) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223077 representing NM_152417 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAGACAAAATCAAACCTGTGGTGTAGGACAGGATTCTGTGCCCTATATGATTTGTCTGATTCACA
TACTCGAAGAATGGTTTGGTGTGGAGCAGTTGGAGGACTATTTGAATTTTGAACTATCTCTTGTGGGT
TTTACACCACTAATACTTTTAATACTTCCTTACTTTACTATCTTTCTTCTACCTTACTATTATTTTC
TTACACATTTATAAGAGAAAGAATGTATTGAAAGAAGCCTACTCTCATAATTTATGGGATGGTCAAGGA
AAACAGTGGCAACTCTGTGGGATGGACATGCAGCCGTTTGGCATGGTTATGAAGTTCATGGAATGGAAAA
AATACCAGAAGATGGACCAGCACTTATAATTTTTTATCATGGAGCTATTCTATAGATTTTACTATTTTC
ATGGCTAAAATATTTATACACAAAGGCAGAACTTGCCGAGTAGTAGCTGATCACTTTGTCTTTAAATTC
CAGGGTTTAGTTTATTACTGGATGTGTTTTGTGCTCTACATGGACCAAGAGAAAAATGTGTTGAAATTCT
GAGGAGTGGCACTTGTTAGCTATCTACCAGGTGGAGTTCGAGAAGCCCTAATTAGTGATGAACTTAT
AACATCGTATGGGGTCATCGCAGAGGCTTGTCTCAGGTTGCAATTGATGCAAAAGTGACGAAGAATGCTG
TTCAAGCTTTGATTGATAAGCACCAAGAATACCAGGAAACATTATGAGTGCTTTGTTAGAACGTTTTCA
T

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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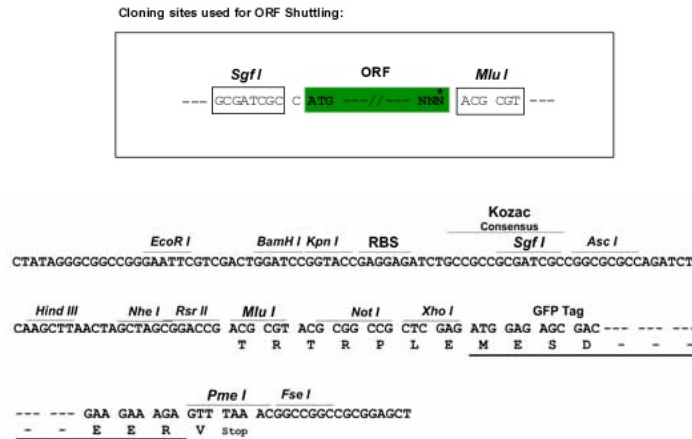
Protein Sequence: >RG223077 representing NM_152417
 Red=Cloning site Green=Tags(s)

MIDKNQTCGVGQDSVPYMICLIHILEEWFGEQLEDYLNFANYLLWVFTPLILLILPYFTIFLLYLTIIIF
 LHIYKRKNVLKEAYSHNLWDGARKTVATLWDGHAADVHGYEVHGMKIPEDGPALIIIFYHGAIPIDFYF
 MAKIFIHKGRTCRVVADHFVKIPGFSLLLDVFCALHGPKEKVEILRSQHLLAISPGGVREALISDETY
 NIVWGHRRGFAQVAIDAKVTKNVQALIDKHQRIIPGNIMSALLERFH

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152417

ORF Size: 771 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152417.3](#)

RefSeq Size: 2317 bp

RefSeq ORF: 774 bp

Locus ID: 137695

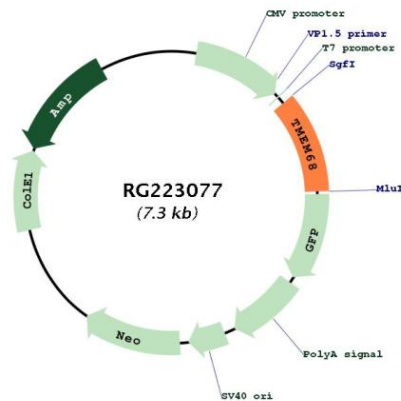
UniProt ID: [Q96MH6](#)

Cytogenetics: 8q12.1

Domains: Acyltransferase

Protein Families: Transmembrane

Product images:



Circular map for RG223077