

Product datasheet for **RG203513**

TMEM41A (NM_080652) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM41A (NM_080652) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM41A
Synonyms:	2900010K02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203513 representing NM_080652 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCCGTTCTCGGCCTCCTTCTGGTCTTCGCCGGCTGCACCTTCGCCTTGTACTTGTGTGCGACGC
GACTGCCCGCGGGCGGAGACTGGGCTCCACCGAGGAGGCTGGAGGCAGGTCGCTGTGGTCCCTCCGA
CCTGGCAGAGCTGCGGGAGCTCTGAGGTCTTCGAGAGTACCGAAGGAGCACCAGGCCTACGTGTT
CTGCTCTTCTGCGGCCTACCTCTACAAACAGGGCTTTGCCATCCCGGCTCCAGCTTCTGAATGTTT
TAGCTGGTGCCTGTTTGGGCCATGGCTGGGGCTTCTGCTGTGCTGTGTGTTGACCTCGGTGGGTGCCAC
ATGCTGCTACCTGCTCTCCAGTATTTTTGGCAAACAGTTGGTGGTGCCTACTTTCCTGATAAAGTGCC
CTGCTGCAGAGAAAGGTGGAGGAGAACAGAAACAGCTTGTTTTTTTTCTATTGTTTTGAGACTTTTCC
CCATGACACCAAAGTGGTCTTGAACCTCTCGGCCCAATTCTGAACATTCATCGTGCAGTTCCTTCTT
CTCAGTCTTATCGGTTTGATCCCATATAATTTTCATCTGTGTGCAGACAGGGTCCATCCTGTCAACCCTA
ACCTCTCTGGATGCTTTTTCTCCTGGGACTGTCTTTAAGCTGTTGGCCATTGCCATGGTGGCATTAA
TTCCTGGAACCTCATTAAAAATTTAGTCAGAAACATCTGCAATTGAATGAAACAAGTACTGCTAATCA
TATACACAGTAGAAAAGACACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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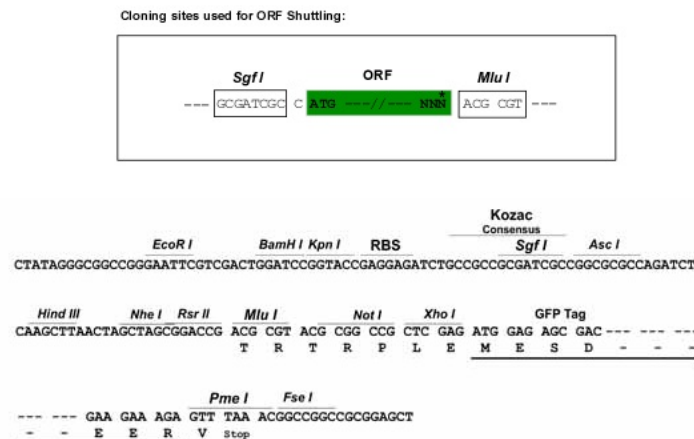
Protein Sequence: >RG203513 representing NM_080652
 Red=Cloning site Green=Tags(s)

MRPLLGLLLVFAGCTFALYLLSTRLPGRRLGSTEEAGGRSLWFPSDLAELRELVSEVLYRKEHQAYVF
 LLFCGAYLYKQGFaipgssflnvlagalFGPWLGLLLCCVLTsvgatccyllssifgkqlVVSYPDKVA
 LLQRKVEENRNSLFFLLFLRLFPMPNWFNLNSAPILNIPIVQFFSVLIGLIPYNFICVQTGSILSTL
 TSLDALFSWDTVFKLLAIAMVALIPGTLIKKFSQKHLQLNETSTANHIHSRKDT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080652

ORF Size: 792 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_080652.4](#)

RefSeq Size: 1395 bp

RefSeq ORF: 795 bp

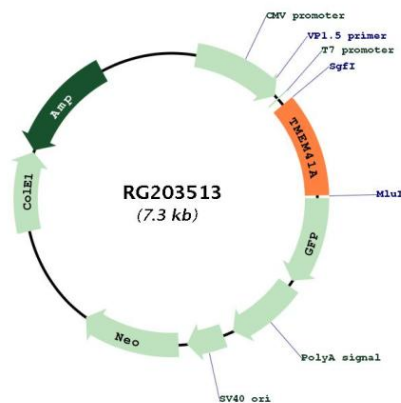
Locus ID: 90407

UniProt ID: [Q96HV5](#)

Cytogenetics: 3q27.2

Protein Families: Transmembrane

Product images:



Circular map for RG203513