

Product datasheet for **RG227010**

TMEM169 (NM_001142310) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: TMEM169 (NM_001142310) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: TMEM169
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG227010 representing NM_001142310
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGAGCCAACAGCAGTAGAAGGCCAGGTCCAGCTTCCAAGCCCCACCAGGGCTCTCTCAGGAAGG
 CTGTGGCTGCTGCCCTGGCGCTGGATGGGAATCCACAATGGGGCACAGGAAAAAGAGGAAAGAGTC
 ACGCCCAGAATCCATCATCATCTACCGCTCAGACAATGAGAAAACAGATGAGGAGCCCGGAGAATCAGAA
 GGTGGAGATCAGCCTAAAGAGGAGGGGAGATGATTTCCCTAGACTATCCTGTGGATGATGATATGTGGA
 ACCTGCCTCTGGACAGCCGCTACGTCACCTTAACTGGGACCATCACACGAGGGAAGAAAAAGGGTCAGAT
 GGTGGACATCCATGTACATTGACAGAGAAAGAGCTGCAGGAACCTGACCAAACCTAAAGAGTCATCAAGG
 GAAACGACGCCTGAAGGAAGAATGGCCTGCCAGATGGGAGCTGACCGTGGGCCCATGTGGTCCTCTGGA
 CGTGATCTGCCTGCCTGTGGTTTTTCATCCTTTCTTTTGTGTCTTTTCTACTACGGCACTATCACCTG
 GTACAACATCTTCTCGTGTATAATGAGGAAAGGACCTTCTGGCACAAGATCTCGTATTGCCCTTGCCTC
 GTTCTCTTCTATCCAGTGCTCATCATGGCCATGGCTTCTCCCTCGGCCTCTACGCTGCTGTGGTCCAGC
 TCTCGTGGTCTGGGAAGCATGGTGGCAAGCTGCCGGGACATGGAGAAAGGCTTCTGTGGCTGGCTCTG
 CAGCAAGCTGGTCTGGAGGACTGTTCCCTACAGCATTGTGGAGTTGCTTGAATCCGACAATATCTCA
 AGCACTCTCCAACAAGGACCCATCCAAGAAGTAGAAACCTCCACGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227010 representing NM_001142310
Red=Cloning site Green=Tags(s)

MEEPTAVEGQVQLPSPHQGLSRKAVAAALDGESTMGHRKKRKRKESRPESIIYRSDNEKTDEEPPGESE
 GGDQPKEEEGDDFLDYPVDDDMWNLPLDSRYVTLTGTITRGKKKGQMVDIHVTLTEKELQELTKPKESSR
 ETTPEGRMACQMGADRGPVVVLTLCILPVVVILSFVVSFYGGITWYNI FLVYNEERTFWHKISYCPCL
 VLFYFVPLIMAMASSLGLYAAVVQLSWSWEAWWQAARDMEKGF CGWLCSKLGLEDSPYSIVELLESDNIS
 STLSNKDPIQEVETSTV

TRTRPLE - GFP Tag - V

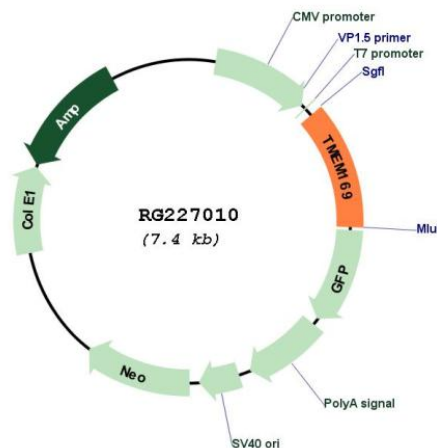
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001142310

ORF Size: 891 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:	<ol style="list-style-type: none">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_001142310.1 , NP_001135782.1
RefSeq Size:	3477 bp
RefSeq ORF:	894 bp
Locus ID:	92691
UniProt ID:	Q96HH4
Cytogenetics:	2q35
Protein Families:	Transmembrane