

Product datasheet for **RG210685**

TMEM201 (NM_001010866) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM201 (NM_001010866) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMEM201
Synonyms: Ima1; NET5; SAMP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210685 representing NM_001010866
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGAGGGAGTGAGCGCGCTGCTGGCCCGCTGCCCCACGGCCGGCCTGGCCGGCGGCTGGGGGTACGG
 CGTGCGCCCGGGCCGGCTGTTGCTCTACCGGATCGCGCGGAGGATGAAGCCAACGCACACGATGGTCAA
 CTGCTGGTTCTGCAACCAGGATACGCTGGTGCCCTATGGGAACCGCAACTGCTGGGACTGTCCCACTGC
 GAGCAGTACAACGGCTTCCAGGAGAACGGCGACTACAACAAGCCGATCCCCGCCAGTACTTGGAGCACC
 TGAACCACGTGGTGAGCAGCGCGCCAGCCTGCGCGACCTTCGCAGCCGCAGCAGTGGGTGAGCAGCCA
 AGTCTGCTGTGCAAGAGGTGCAACCACCACCAGACCACCAAGATCAAGCAGCTGGCCGCCCTTCGCTCCC
 CGCGAGGAGGGCAGGTATGACGAGGAGGTGAGGTGTACCGGCATCACCTGGAGCAGATGTACAAGCTGT
 GCCGGCCGTGCCAAGCGGCTGTGGAGTACTACATCAAGCACCAGAACCGCAGCTGCGCGCCCTGTTGCT
 CAGCCACCAGTTC AAGCGCCGGGAGGCCAGCAGACCCACGCACAGA AACTTCTCCTCCGCGTGAAGTCC
 CCGGTCCAGGTCACTGCTCCGTGCCCTCGCCTTCTGGCCTGCGCCTTCTACTGACCACCGCGCTGT
 ATGGGGCCAGCGGACACTTCGCCCCAGGCACCACTGTGCCCTGGCCCTGCCACCTGGTGGCAATGGCTC
 AGCCACACCTGACAATGGCACCACCCCTGGGGCCGAGGGCTGGCGGCAGTTGCTGGGCCTACTCCCCGAG
 CACATGGCGGAGAAGCTGTGTGAGGCCTGGCCCTTTGGGCAGAGCCACCAGACGGCGCTGTGGCCTGG
 GCCTACTCACCTGCCTGCTGGCAATGCTGCTGGCTGGCCGATCAGGCTCCGGAGGATCGATGCCTTCTG
 CACCTGCCTGTGGCCCTGCTGCTGGGGCTGCACCTGGCTGAGCAGCACCTGCAGGCCGCTCGCCTAGC
 TGGCTAGACACGCTCAAGTTCAGCACCACATCTTTGTGCTGCCTGGTTGGCTTACGCGCGCTGTGGCCA
 CAAGGAAGGCAACGGGCCACGGAGGTTCCGGCCCCGAAGGTCAGAGAAGCAGCCA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210685 representing NM_001010866
 Red=Cloning site Green=Tags(s)

MEGVSALLARCPTAGLAGGLGVTACAAAGVLLYRIARRMKPTHTMVCNWFQDNLVPGYGNRNCWDCPHC
 EQYNGFQENGDNKPIPAQYLEHLNHVVSSAPSLRDPSPQPVQVSSQVLLCKRCNHHQTTKIKQLAAFAP
 REEGRYDEEVEVYRHHLEQMYKLCRPCQAAVEYIKHQNRQLRALLSHQFKRREADQTHAQNFSSAVKS
 PVQVILLRALAFLACAFLLTTALYGASGHFAPGTTVPLALPPGGNGSATPDNGTTPGAEGWRQLLGLLPE
 HMAEKLCEAWAFQSHQTVVALLGLLTCLLAMLLAGRIRLRRIDAFCTCLWALLLGLHLAEQHLQAASPS
 WLDTLKFSTTSLCCLVGFTAATRAVKATGPRFRPRRSEKQP

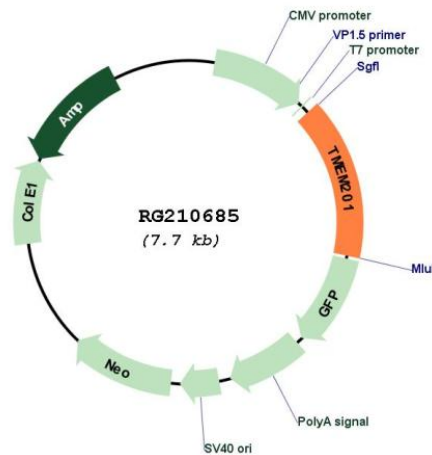
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001010866

ORF Size:	1176 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_001010866.4
RefSeq Size:	3846 bp
RefSeq ORF:	1179 bp
Locus ID:	199953
UniProt ID:	Q5SNT2
Cytogenetics:	1p36.22
Protein Families:	Transmembrane
Gene Summary:	Involved in nuclear movement during fibroblast polarization and migration. Proposed to be involved in actin-dependent nuclear movement via association with transmembrane actin-associated nuclear (TAN) lines which are bound to F-actin cables and couple the nucleus to retrograde actin flow (By similarity). Overexpression can recruit Ran GTPase to the nuclear periphery (PubMed:27541860).[UniProtKB/Swiss-Prot Function]