

Product datasheet for **RG236077**

TMEM147 (NM_001242598) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM147 (NM_001242598) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMEM147
Synonyms: NIFIE14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236077 representing NM_001242598.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGACCTGTTTCACTTCGGAACTGCTTCGCTCTTGCCTACTTCCCCTACTTCATCACCTACAAGTGC
AGCGGCCTGTCCGAGTACAACGCCTTCTGGAAATGCGTCCAGGCTGGAGTCACCTACCTCTTTGTCCAA
CTCTGCAAGATGCTGTTCTTGGCCACTTCTTTCCCACCTGGGAAGCGGCATCTATGACTTCATTGGG
GTCCATTACATCGTCGCGTCTGCTCAGGCTGGATGATAACACGCTATGATCTGTACCACACCTCCGG
CCAGCTGTCTCCTGCTGATGTTCTCAGTGTCTACAAGGCCTTGTATGGAGACCTTCGTCCACCTC
TGCTCGCTGGGAGTTGGGAGCTCTACTGGCCGAGCAGTGGTAAACGGGCTGCTGGCCCTCAGCACT
TTGGCCCTGTATGTCGCCGTTGCAATGTGCACTCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236077
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MTLFHFGNCFALAYFPYFITYKCSGLSEYNFVKCVQAGVTYL FVQLCKMLFLATFFPTWEGGIYDFIG
VHYIVASAQVWMI TRYDLYHTFRPAVLLLMFLSVYKAFVMEFVHLC SLGSAALLARAVVTGLLALST
LALYVAVVNVHS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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).
RefSeq:	<u>NM_001242598.2</u>
RefSeq Size:	687 bp
RefSeq ORF:	453 bp
Locus ID:	10430
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	17.5 kDa
Gene Summary:	Acts as a negative regulator of CHRM3 function, most likely by interfering with its trafficking to the cell membrane (PubMed:21056967). Negatively regulates CHRM3-mediated calcium mobilization and activation of RPS6KA1/p90RSK activity (PubMed:21056967). [UniProtKB/Swiss-Prot Function]