

## Product datasheet for **SC333971**

### **TMEM147 (NM\_001242598) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMEM147 (NM\_001242598) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TMEM147  
**Synonyms:** NIFIE14  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC333971 representing NM\_001242598.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

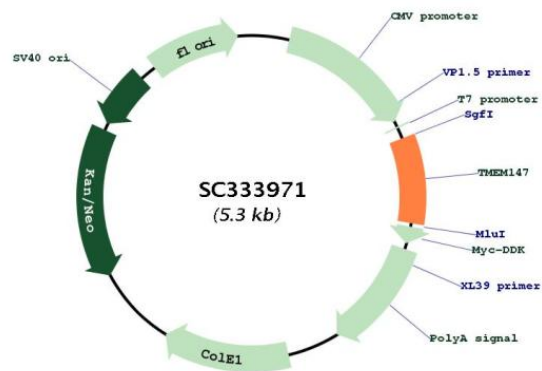
```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGACCCTGTTTCACTTCGGAACTGCTTCGCTTTGCCTACTTCCCTACTTCATCACCTACAAGTGC
AGCGGCCGTCCGAGTACAACGCCTTCTGGAAATGCGTCCAGGCTGGAGTCACCTACCTTTGTCCAA
CTCTGCAAGATGCTGTTCTTGGCCACTTCTTTCCACCTGGGAAGCGGCATCTATGACTTCATTGGG
GTCCATTACATCGTCGCGTCTGCTCAGGCTGGATGATAACACGCTATGATCTGTACCACACCTCCGG
CCAGCTGTCTCCTGCTGATGTTCTCAGTGTCTACAAGGCCTTTGTTATGGAGACCTTCGTCCACCTC
TGCTCGCTGGCAGTTGGCAGCTCTACTGGCCCGAGCAGTGGTAACGGGGCTGCTGGCCCTCAGCACT
TTGGCCCTGTATGTCGCCGTTGTCAATGTGCACTCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** Sgfl-Mlul



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## Plasmid Map:



ACCN: NM\_001242598

Insert Size: 453 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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\\_001242598.1](#)

RefSeq Size:	687 bp
RefSeq ORF:	453 bp
Locus ID:	10430
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	17.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks two consecutive exons in the coding region but maintains the reading frame, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.</p>