

Product datasheet for **SC104225**

TMEM147 (NM_032635) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM147 (NM_032635) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM147
Synonyms:	NIFIE14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032635, RT-PCR generated
GGCATCATGACCCTGTTTCACTTCGGGAACTGCTTCGCTCTTGCCTACTTCCCCTACTTC
ATCACCTACAAGTGCAGCGCCTGTCCGAGTACAACGCCTTCTGGAAATGCGTCCAGGCT
GGAGTCACCTACCTCTTTGTCCAACCTGCAAGATGCTGTTCTTGCCACTTTCTTTCCC
ACCTGGGAAGGCGGCATCTATGACTTCATTGGGGAGTTCATGAAGGCCAGCGTGGATGTG
GCAGACCTGATAGGTCTAAACCTTGTCATGTCCCAGGAAATGCCGCAAGGGAGAGTACAAG
ATCATGGTTGCTGCCCTGGGCTGGGCCACTGCTGAGCTTATTATGTCCCCTGCATTCCC
CTATGGGTCGGAGCCCGGGCATTGAGTTTGACTGGAAGTACATCCAGATGAGCATAGAC
TCCAACATCAGTCTGGTCCATTACATCGTCGCGTCTGCTCAGGTCTGGATGATAACACGC
TATGATCTGTACCACACCTTCCGGCCAGCTGTCCTCCTGCTGATGTTCTCAGTGTCTAC
AAGGCCTTTGTTATGGAGACCTTCGTCCACCTCTGCTCGCTGGGCAGTTGGGCAGCTCTA
CTGGCCCAGCAGTGGTAACGGGGCTGCTGGCCCTCAGCACTTTGGCCCTGTATGTCGCC
GTTGTCAATGTGCACTCCTAGG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032635 unedited GGGGTAGCTCAGTATTGTAACGACTCATATAGGCGCCGCGAATCACACTGGTACCGAG CTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTGGCATCATGACCCGTG TTTCACTTCGGGAACTGCTTCGCTCTTGCCCTACTTCCCCTACTTCATCACCTACAAGTGC AGCGGCCTGTCCGAGTACAACGCCTTCTGGAATGCGTCCAGGCTGGAGTACCTACCTC TTTGTCCAACCTGCAAGATGCTGTTCTTGCCACTTTCTTCCCACCTGGGAAGGCGGC ATCTATGACTTTCATTGGGGAGTTCATGAAGGCCAGCGTGGATGTGGCAGACCTGATAGGT CTAAACCTTGTCATGTCCCGAATGCCGCAAGGGAGAGTACAAGATCATGGTTGCTGCC CTGGGCTGGGCCACTGCTGAGCTTATTATGTCCCGCTGCATTCCCCTATGGGTCGGAGCC CGGGGCATTGAGTTTACTGGAAGTACATCCAGATGAGCATAGACTCCAACATCAGTCTG GTCCATTACATCGTCGCGTCTGCTCAGGTCTGGATGATAACACGCTATGATCTGTACCAC ACCTTCCGGCCAGCTGCTCCTGCTGATGTTCCCTCAGTGTCTACAAGGCCTTTGTTATG GAGACCTTCGTCCACCTGCTCGCTGGGCAGTTGGGCAGCTCTACTGGCCCAGCAGTG GTAACGGGGCTGTGGCCCTCAGCACTTTGGCCCTGTATGTCGCGTTGTCAATGTGCAC TCCTAGGAAGCCGAATTCTGCAGATATCCATCACACTGGCGGGCCGCGTCATAGCTGTTT CCTGACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCATGCCTCTCCTGGCCCTGGGA AGTGCCACT
Restriction Sites:	Please inquire
ACCN:	NM_032635
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:	<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:	<u>NM_032635.2</u> , <u>NP_116024.1</u>
RefSeq Size:	869 bp
RefSeq ORF:	675 bp
Locus ID:	10430
UniProt ID:	<u>Q9BVK8</u>
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, GPCR, Transmembrane

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]

Transcript Variant: This variant (1) encodes the longest isoform (1).