

## Product datasheet for **SC107367**

### **TMEM97 (NM\_014573) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM97 (NM_014573) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM97
Synonyms:	MAC30
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107367 sequence for NM_014573 edited (data generated by NextGen Sequencing)

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ATGGGGGCTCCGGCAACCAGGCGCTGCGTGGAGTGGCTGCTGGGCTCTACTTCCTCAGC
CACATCCCATCACCTGTTCATGGACCTGCAGCGGTGCTGCCGCGGAGCTCTACCCA
GTCGAGTTTAGAAACCTGCTGAAGTGGTATGCTAAGGAGTTCAAAGACCCACTGCTACAG
GAGCCCCAGCCTGGTTTAAAGTCTTTCTGTTTTGCGAGCTTGTGTTTCAGCTGCCTTTC
TTTCCATTGCAACGTATGCCTTCTCAAAGGAAGCTGCAAGTGGATTGAACTCCTGCA
ATCATCTACTCTGTTACACCATGACAACCTTAATTCCGATACTCTCCACATTTCTGTTT
GAGGATTTCTCAAAGCCAGTGGTTTCAAGGGACAAAGACCTGAGACTTTCATGAACGG
TTAACCTTGTGTCTGTCTATGCCCCCTACTTACTCATCCATTACTACTTTTAATTTTC
ATGTTGCGGAGCCCTACTACAAGTATGAAGAGAAAAGAAAAAAAATGA
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Clone variation with respect to NM\_014573.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_014573 unedited TGATACATACTTAGGCGGCCGATTTCGCCGAGGCCACCGACGACTATGGGGGCTCCGGC AACCAGGCGCTGCGTGGAGTGGCTGCTGGGCCTCTACTTCCTCAGCCACATCCCCATCAC CCTGTTTCATGGACCTGCAGGCGGTGCTGCCGCGGAGCTACCCAGTCGAGTTTAGAAA CCTGCTGAAGTGGTATGCTAAGGAGTTCAAAGACCCACTGCTACAGGAGCCCCAGCCTG GTTTAAGTCCTTTCTGTTTTGCGAGCTTGTTTCAGCTGCCTTTCTTTCCATTGCAAC GTATGCCTTCCTCAAAGGAAGCTGCAAGTGGATTGCAACTCCTGCAATCATCTACTCTGT TCACACCATGACAACCTTAATTCGATACTCTCCACATTTCTGTTTGAGGATTTCTCCAA AGCCAGTGGTTTTCAAGGGACAAAGACCTGAGACTTTGCATGAACGGTTAACCCCTGTGTC TGTCTATGCCCCCTACTTACTCATCCCCATTACTTTTAATTTTCATGTTGCGGAGCC CCTACTACAAGTATGAAGAGAAAAGAAAAAATGAAGGAAACAACCACTGGCCCAGG GTAGAGATGCCTACAGGGTGGTTGCTTGCTGGATAACAATANCAGGAACACTGCTCAGACC CCACGTCTTCAGCAGCATTTGAAACACTGGCAGCAATGCACAAGAGCAAGATGGTGTCAA GAACCATGTCAAACCCCTCACCTTCTCCATTTTTTTTTTTTTTTTTAAAGACAGTNTNACTC TGTTGCCAGGCTGGAGTAAAGGGCAGGGGCATGATCCTGGTTCACTGCCACCTTCGCTC CCTGGGCTNAAGCCCATTTCTTAGGCTCC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014573
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_014573.1</a> , <a href="#">NP_055388.1</a>
<b>RefSeq Size:</b>	2133 bp
<b>RefSeq ORF:</b>	210 bp
<b>Locus ID:</b>	27346
<b>UniProt ID:</b>	<a href="#">Q5BIF2</a>
<b>Cytogenetics:</b>	17q11.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	TMEM97 is a conserved integral membrane protein that plays a role in controlling cellular cholesterol levels (Bartz et al., 2009 [PubMed 19583955]).[supplied by OMIM, Aug 2009]