

## Product datasheet for **SC125646**

### TMEM17 (NM\_198276) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM17 (NM_198276) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM17
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene sequence for NM_198276 edited

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GGGTGGCTCCCTGGGCTGGAACGCGCTCTGAGCGCGCCGGTCCCTTCCAGGTTGCGCGG
GCTCCGGACGAGACCCAGCCAGCCGGGAGCCCCGCGCGCTCCCGGGTCCCGCCGGCCT
CGCGCCGCGCCGGTTGCCGTGGGAACACGGAGCCTCGGAGCGCCCGCAGACTAGCCCGTG
TCTGAGGGGGTGAGGGATACTGAGGCCAGGCATGGAGCTGCCAGATCCGGTGCGCCAGC
GGCTGGGAAACTCAGCCGGGCGGTGTTCAATCGGACCAGTCCAGAGTCCA
ATGAGGGTCCGAAAAATGAAATGGTCTCCAGTTTGGCACTGCAGATGCACTTTATTTTA
ATACCTACTATTTCCACTGTGGTGGGTGAGCAGCATTATGATGCTTACATGAAGTATT
CAATCTTGCTGACTACTACAAATTCATTGTGATCACTGTTATCATCCTAATAACCTTAA
TTGAAGCCATCCGGTTGTATCTGGGCTACGTGGGTAACCTACAGGAGAAGGTTCCCTGAGT
TGCTGGCTTTTGGCTTTTGGCCTTCTATTGCAGTTACCTTTAATTCTTTTCTGCTCT
TTAATGAAGGCCTAACAAATCTGCCCTTGAAAAAGCGATACATATCATCTTCACTCTCT
TCCTTGCTTTTCAAGTTGTTGCAGCATTCTTACCTTAAGGAAAAATGGTTAATCAGTTGG
CAGTTCGTTTCCACCTCCAAGACTTTGACCGGCTCTGCAAACAGAGGAGACATGAGAA
GGATGAGGTCATGTATAGAAGAGATCTGATCCAGTGTGTTGAGTAAAACTGACAGAT
CATTCTAGAGACTGTAAGAGTTAGGAAAAATCAGAGCTCTGAGAAAAGGACAAAGCAA
GTGTTTTGAATTGTATATGCTCTCACTCTGAAATTCAGGTTGGGGCAATGATGAAAC
TTTGATACAGTATATGAAACAGTATATTAACCCTAAAACCTAGATGTTGTCCACCTGATGC
CAAATTTCTTAATTTTTTTTGTGTTGTTGCTTTTTTCAGGAGGTAGAAATCTATGTAT
TGGTGGTTGTCAATTTGCCAGCTCTCTCGTAGCATTCTGTTAGAAATCTTTAACTAGAGA
TGATACATTTCTTTAAACTTGTGGTTATCCATGTCTTGTCTGTACATATGACCATGT
TTCTTGACATGAAAAACAGTCAAGTGTTCCTATGTATTTGTCTATTTTGTAACCAAG
AGACCGGCTGGGTGTGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGTGG
GCAGATCATGAGGTCAGAAGATCGAGACCATCTGGCTAACACGGTGAACCCAGCCTCT
ACTAAAAATACAAAAA

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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_198276 unedited AGTTCATATTTGTATACGACTCATATAGGCGGCCGATAACTTCGTATAGCATACATTAT ACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGCGTGGCT CCCTGGGCTGGAACGCGCTCTGAGCGCGCCGGTCCCTCCAGGTTGCGCGGGCTCCGGA CGAGACCCAGCCAGCCGGGCAGCCCGCGCGCTCCCGGGTCCC GCCGGCTCGCGCCGC CCGGTTGCCGTGGGAACACGGAGCCTCGGAGCGCCCGCAGACTAGCCCGTGTCTGAGGG GGTGAGGATACTGAGGCCAGGCATGGAGCTGCCAGATCCGGTGCGCCAGCGGCTGGGA AACTTCAGCCGGCCGTGTTCAAGTATTCCAATCGGACCAGTCCAGAGTCCAATGAGGGT CCGAAAAATGAAATGGTCTCCAGTTTGGCACTGCAGATGTCACTTTATTTAATACCTAC TATTTCCCACTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT CCTGACTACTACAAATTCATTGTGATCACTGTTATCATCCTAATAACCTTAATTGAAGCC ATCCGGTTGTATCTGGGCTACGTGGTAACCTACAGGAGAAGGTTCTGAGTTGGCTGGC TTTTGGCTTTTGAGCCTTCTATTGCAGTTACCTTTAATTCTTTTCTTGGCTCTTAATGAA AGCCTAACANATCTGCCCTTGGAAAAAGCGATACATATCATCTTCACTCTCTTCTTGTCT TTCCAAGTGTGTGCAGCATTTCTTACCCTAGGGAAAAATGTTAATCAGTTGGCAAGTTC GTTCCCTCCAGACTTGACCCGCTCTGCAACAGAGGAACTGANAAGGTGAGGTCTG TATAGAAGAATCTGATC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_198276
<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_198276.1</a> , <a href="#">NP_938017.1</a>
<b>RefSeq Size:</b>	1407 bp
<b>RefSeq ORF:</b>	597 bp
<b>Locus ID:</b>	200728
<b>UniProt ID:</b>	<a href="#">Q86X19</a>
<b>Cytogenetics:</b>	2p15
<b>Protein Families:</b>	Transmembrane

**Gene Summary:**

Transmembrane component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Required for ciliogenesis and sonic hedgehog/SHH signaling (By similarity).[UniProtKB/Swiss-Prot Function]