

## Product datasheet for **SC308163**

### TMEM88 (NM\_203411) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM88 (NM_203411) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM88
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308163 representing NM_203411. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGGATGTCCCGGGGCACAGCGAGCGTTCTGGTGACGGCCAGAGCCCCGGGACCCCTGGAC
TGTTGGGCTGCGCTGTTCTTGTAAACAGCCAGAATCTGCTGGTGGCTGCCTTCAATCTTCTCCTGCTG
GTGCTGGTGTAGGGACCATCTTGCTACCCGCTGTACCATGCTGGGCTTCGGCTTCTCTGCCACTCT
CAGTTCCTGCGCTCCAGGCACCCCTTGACCCGCGCACCTGCGGGACCCCGTTTCACGGCCCTACTG
GTCACCGGATTCTGCTCCTCGTGCCGCTGCTCGTGTGCTCTGGCCAGCTACCGCCGCTCTGCCTG
CGCTCCGCCATGCCGATTGCCCTGACCCAGCCGCTTATCGGCGTCGGCGCCGCCCGCAG
CCGCGGCAAATCCGGGCCCTACCCAGGGTCCCAGGCCGTTCCACATCAGGAAAGGTCTGGGTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_203411
Insert Size:	480 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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_203411.1</a></u>
<b>RefSeq Size:</b>	887 bp
<b>RefSeq ORF:</b>	480 bp
<b>Locus ID:</b>	92162
<b>UniProt ID:</b>	<u><a href="#">Q6PEY1</a></u>
<b>Cytogenetics:</b>	17p13.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	17.3 kDa
<b>Gene Summary:</b>	Inhibits the Wnt/beta-catenin signaling pathway. Crucial for heart development and acts downstream of GATA factors in the pre-cardiac mesoderm to specify lineage commitment of cardiomyocyte development.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).