

## Product datasheet for **SC317183**

### TMEM87A (NM\_001110503) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM87A (NM_001110503) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM87A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317183 representing NM_001110503. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**  
 ATGGCGCGCGCTGCGTGGCTTCAGGTGTTGCCTGTCATTCTTCTGCTTCTGGGAGCTCACCCTCACCA  
 CTGTCGTTTTTTCAGTGCAGGACCGCAACCGTAGCTGCTGCCGACCGGTCCAAATGGCACATTCGGATA  
 CCGTCGGGGAAAAATTATTTTAGTTTTGGAAAGATCCTCTTCAGAAATACCACTATCTTCTGAAGTTT  
 GATGGAGAACCTTGTGACCTGTCTTTGAATATAACCTGGTATCTGAAAAGCGCTGATTGTTACAATGAA  
 ATCTATAACTTCAAGGCAGAAGAAGTAGAGTTGTATTTGGAAAACTTAAGGAAAAAGAGGCTTGTCT  
 GGGAAATATCAAACATCATCAAAATTGTTCCAGAACTGCAGTGAACCTTTAAACACAGACCTTTTCT  
 GGAGATTTTATGCATCGACTGCCTCTTTTAGGAGAAAAACAGGAGGCTAAGGAGAATGGAACAAACCTT  
 ACCTTTATTGGAGACAAACCATTCAGATGCCTTTCTTGAAGAAACATTTCTTGATTGTTGA  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001110503
Insert Size:	546 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>	<a href="#">NM_001110503.2</a>
<b>RefSeq Size:</b>	2788 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	25963
<b>UniProt ID:</b>	<a href="#">Q8NBN3</a>
<b>Cytogenetics:</b>	15q15.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	20.5 kDa
<b>Gene Summary:</b>	<p>May be involved in retrograde transport from endosomes to the trans-Golgi network (TGN). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks multiple 3' coding exons and contains an alternate 3' terminal exon, resulting in a distinct 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>