

## Product datasheet for **SC113559**

### TMEM144 (NM\_018342) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM144 (NM_018342) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM144
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018342, the custom clone sequence may differ by one or more nucleotides

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ATGAGCAACAATGGAGCAGACCTAACCTTTGGTTACATCTCCTGTTTTGTAGCTATCCTTTTGTGGCT  
CAAATTTTGTGCCACTTAAAAATTTGATACTGGTGATGGAATGTTTCTCCAGTGGGTTCTTTGTGCTGC  
CATATGGTTGGTTGCCTTGGTTGTCAATCTGATATTACATTGTCCAAAGTTTTGGCCTTTTGAATGCTT  
GGGGGCTGCATTTGGGCAACAGGGAACATTGCTGTTGTCCCAATTATCAAACCATTGGTTTAGGCCTTG  
GAATCTTAATCTGGGGATCATTTAATGCCTTAAGTGGCTGGGCAAGCTCAAGGTTGGCTGGTTTGGATT  
GGATGCAGAAGAAGTATCAAATCCGCTGCTAAATTACATTGGAGCTGGGCTATCAGTAGTAAGTGCCTTC  
ATATTTTGTTCATCAAAGTGAATACCAAATACACGTGTTCCATGGATACCACTCCATTAATAACAG  
AGCATGTGATCAACACAACCCAAGACCCCTGTTCTGGGTGGATAAACTTCTACAGTACACCACCGCAT  
AGTGGGCTGCAGTCTTGCAGTGATATCTGGAGTACTCTATGGATCTACATTTGTGCCAATCATCTACATC  
AAGGACCACAGCAAAAAGAAATGATAGTATATATGCAGGGCAAGCCAATATGATTTAGACTATGTGTTTG  
CGCACTTCAGTGGCATCTTTCTTACAAGTACTGTCTACTTTCTGGCCTACTGCATAGCCATGAAAAATAG  
TCCTAACTATATCCTGAAGCAGTCTACCAGGATTCCTGTCAGGAGTACTTTGGGCTATAGCTACCTGC  
TGTTGGTTCATAGCAAATCACTCTCTGAGTGTGTGGTCAGTTTTCCAATAACTGCTGGTCCAGGAT  
TTATAGCTGCAATGTGGGTATCTTCATGTTTAAGGAAATAAAGGGTCTACAAAACCTACCTAATGAT  
ACTTGCATTTTGCATCATCTTGACTGGAGCCTTATGCACTGCTTTTTCTAAAATCTAA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_018342 unedited  
 GGTGGGATTGTAACGATTACTATAGGCGGCCGCGCAATTCGCACGAGGAATGAGTTTTG  
 CTCGGCTCCACACTGGCACGTAGTGGGCGGATCGCGCCGGCGCTGAGTAGGAAGGAGCT  
 TCAGCCGCCAGCCCGGAACGCATCATAGGTTAGCTTTTCAAGACACTTCCTGCATCTCG  
 ACCTGTTGCACCTCTGTTATCTTGGCACCTCTGTTATCTTAGCAGCAAGCACCTGCCTCA  
 GCTGACCCTTGAGCCATAACCCATAAGCTCCTGAAAAGTACATCAAGCTAAAAGTGAACC  
 AGCTAACTCATTAAAGACTGGAATCATGAGCAACAATGGAGCAGACCTAACCTTTGGTTAC  
 ATCTCCTGTTTTGTAGCTATCCTTTTGTGGCTCAAATTTTGTGCCACTTAAAAAATTT  
 GATACTGGTGATGGAATGTTTCTCCAGTGGGTTCTTTGTGCTGCCATATGGTTGGTTGCC  
 TTGGTTGTCAATCTGATATTACATTGTCCAAAGTTTTGGCCTTTTGAATGCTTGGGGGC  
 TGCATTTGGGCAACAGGGAACATTGCTGTTGTCCCAATTATCAAACCATTGGTTTANGC  
 CTTGGGATCTTAATCTGGGGATCATTTAATGCCTTAACTGGCTGGGCAAGCTCAAAGTTT  
 GGCTGGTTTTGGATTGGATGCAGAAAAAATATCAAATTCGCTGCTAAATTACATTGGAGC  
 CTGGCTATCAGTAGTAAGTGCTTCTAATTTTGGTCATCAACAAGTAAAATACCCAATAAC  
 CCTGTTCCAGGGATCCCCTCCCTTAATAACAGAGCATGTGATCAACACAACCAAAACCCC  
 GTTCTGGGGGAAAAACTTTCTACAGTCCACCACCGCTTATGGGCTGCAACTTTGGCGGG  
 AAATTGGGGAACCTTTGGACT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_018342 unedited  
 GGGACACTTTGAACCCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTT  
 TTT  
 TGTTTAAACCAATTAATAAAAAAAAAACAAAACCCCTTCTTTTAAAAAATTTTCTTTAAA  
 AGGAAAAAATTTGGAGGAAAGGGGGAACCTAAAACCTTTAACAGGGGGTTCCCCAA  
 AAAAAAATTTTCCCTTTCAACCCCCATAATAAAAAACCTACCATTTTTTTTTTGG  
 GGTTGCCCAAGTCCCAAATCCTTTTAAACAAATTTTAAAAATTTAAACTATTTCCACCCC  
 CCCAAAACCTTTGGGGGGAAACCCCTCAAACCCCTTTTTTTAAAAGAGGGCCCAA  
 CCCAAAGGGTTTAAAACTTTCCCAAACCCCAAAAAAATAAACCCGGGGGGGATT  
 AACCCCTCCCCTTTGCCTTCAAAGTTTCCCCCAAAAAAACCTGTTTTTTTTCCCCT  
 GCTTACCAAAAAAAGAGCCCTTTCCGGGGGAAAGGGGAAAAATTAACATTTAAAAA  
 GGGGTTTCGTTTTTTAAAAGTTTGGAAAACATTTGCAAAAAACTTTGCCGGGAAGTTTT  
 GTTAAAAATTTTTTTTTTTTACAAAATAAAATAAAATTTCTTTTTAAAAAGGGAACT  
 TGCTATGTTCCCTAGGCTGGAAAATTTGCCCTTTTGGGCTAAAGGACCCTCCTACTTAAC  
 CCCCCACAAAATTTGGAATTATAAAAGGGCCCCCCCCCGCCTGCGTTAATTTCAAAGTT  
 TCTAAAAAATAAAACCAAAAAACCCCCCCCGCGGTCATTTTATTTGCCCTCGGGAAC  
 CCCCCTTTAAAACAGAAAAAACGGAAACCCCCATT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_018342

**Insert Size:**

1860 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).

**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:**

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:** [NM\\_018342.2](#), [NP\\_060812.2](#)

**RefSeq Size:** 3055 bp

**RefSeq ORF:** 1038 bp

**Locus ID:** 55314

**UniProt ID:** [Q7Z5S9](#)

**Cytogenetics:** 4q32.1

**Protein Families:** Transmembrane