

## Product datasheet for SC112729

### TMEM187 (NM\_003492) Human Untagged Clone

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product Name:             | TMEM187 (NM_003492) Human Untagged Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tag:                      | Tag Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Symbol:                   | TMEM187                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Synonyms:                 | CXorf12; DXS9878E; ITBA1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Mammalian Cell Selection: | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Vector:                   | <u>pCMV6-XL5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Fully Sequenced ORF:      | <p>&gt;OriGene ORF within SC112729 sequence for NM_003492 edited (data generated by NextGen Sequencing)</p> <pre> ATGAATCCAGAGTGGGGGCAGGCCCTTCGTGCACGTGGCCGTGGCCGGTGGCCTCTGTGCC GTGGCTGTGTTACGGGCATTTTCGACAGTGTTTCCGTGCAAGTGGGCTATGAGCACTAC GCCGAGGCGCCCGTGGCCGGCCTCCCTGCCTTCCTGGCCATGCCGTTCAACTCACTCGTG AACATGGCCTACACGCTGCTGGGGCTGTCGTGGCTGCACAGGGGCGGCGGATGGGGCTG GGTCCCCGCTACCTGAAGGACGTGTTTCGAGCCATGGCCCTGCTCTATGGCCCCGTGCAG TGGCTGCGCCTGTGGACGAGTGGCGCCGTGCCGCGGTGCTGGACCAGTGGCTCACACTG CCCATCTTTGCATGGCCCGTGGCCTGGTGCCTCTACCTAGACCGCGGCTGGCGGCCCTGG CTGTTCTCTCTCTTGAAGTGCCTCTCCCTGGCCAGTTATGGCCTCGCTCTGCTGCATCCC CAGGGCTTCGAGGTCGCACTGGGTGCTCACGTGGTGGCCGCTGTGGGGCAGGCGCTGCGC ACCCACAGGCACTATGGCAGCACCACTCGGCTACCTACTTAGCTTTGGGGGTGCTCTCT TGCTGGGCTTTGTGGTCTCAAGCTGTGTGACCATCAGCTCGCACGGTGGCGTCTCTTC CAGTGCCTCACAGGCCACTTCTGGTCCAAGGTCTGTGACGTGCTCCAGTTCACCTTTGCG TTTTTGTCTGACGCATTTCAACACTACCCAAGATTCCATCCCTCTGGCGGAAGACG CGTTGA </pre> |

Clone variation with respect to NM\_003492.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003492 unedited  
 GAAGTTTATAGATATTTGTATCCGNACTTTACTATAGGNCGGCACGCGCAATTCGGCACGA  
 GGCCCCAGCGAGGCGAGTGAGGCGAAATACCCGTATGGTGATAGCTGGCCTTTTCGCGCC  
 AATACTGAAAAAGGCAGAACGTTCTCCGCTGGCGCCAGCCAATCAGCAGGACTCCTGCC  
 TTCCTTCGGGGCAAGGTCGCAGCATCTGCCTCGGAAATCACGAAATCACGGGGCTTCTTT  
 CTGCTGGCTCAGCCGGGAGGCCAGAGTGTTCTGCAGAGGCTGCGTATTGAAGGCTGCTC  
 TCTGAAGCTCCCTGCCAGGTACGCCGCCGGTCCAGATGAATCCAGAGTGGGGCAG  
 GCCTTCGTGCACGTGGCCGTGGCCGGTGGCTCTGTGCCGTGGCTGTGTTACGGGCATT  
 TTCGACAGTGTTCCGTGCAAGTGGGCTATGAGCACTACGCCGAGGCGCCGTGGCCGGC  
 CTCCCTGCCTTCTGGCCATGCCGTTCAACTCACTCGTGAACATGGCCTACACGCTGCTG  
 GGGCTGTCTGGCTGCACAGGGGCGCGGATGGGGCTGGGTCCCGCTACCTGAAGGAC  
 GTGTTTCGAGCCATGGCCTGCTCTATGGCCCCGTGAGTGGCTGCGCCTGTGGACGAG  
 TGGCGCGGTGCCGCGGTGCTGGACCAAGTGGCTCAGCTGCCATCTTTGCATGGCCCGTG  
 GCCTGGTGCCTCTACCTAGACCGCGGTGGCGGCCCTGGCTGTTCTCTCTCTTGTAGTGC  
 GTCTCCCTGGCCAGTTATGGCCTCGCTCTGCTGCATCCCAGGGCTTCGAGGTGCGACTG  
 GGTGCTCACGNTGTGGCCGTGTGGGGCAAGCGCTGCGCACCCACAGCACTATGGCAGCA  
 CCACCTCGGCTACCTACTTAGCTTTGGNGGTGCTC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_003492 unedited  
 TTGGCCGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGGCATTTCAC  
 TCCCTTGCCAATATTTATTTGGAACATTTCAAACACAGAAAAGTTATGCAAATTACA  
 TCAGGAACACACACATCCCCTGTGCGGAGATCTGTGCTTTATGTCTTTGAAAGTAAGTTG  
 TCGAGATCACAGCACTCCACCCCTCCACACNGAAGCCCGGNAGCCTTCTCAGGAAAGG  
 GCAGTCTTGTGTGATCAGTGCATATCATCACACACAGGATGTCTGACACTGGCACACGC  
 TGCCATCTCAGAGTCCATTTTCAATGCTGGGGGTATCGGTTTTTTCAGCAGGTTCTTCCCT  
 GNGTTCAACGCTCTTCCCGCCAGAGGGATGGAATCTTGGGTGAGTGTGAAATGCGTCA  
 GAAACAAAAACGCAAGTGGAACTGGAGCACGTACAGACCTTGGACCANAAGTGGCCTG  
 TGAGGCACTGGAAGAGACGCCACCGTGCGAGCTGATGGTCACACAGCTTGAAGACCACAA  
 AGCCCCAGCAAGAGAGACCCCCAAAGCTAAGTAGGTAGCCGAGGTGGTGTGCCATAGT  
 GCCTGTGGGTGCGCAGCGCTGCCACACNCGGCCACACGTGAGCACCCAGTGGCAGCT  
 CNAAGCCCTGGGATGCAACAAAGCGAGGGCATTACTGGCCAGGAAGACGCCCTCAAAGA  
 GAGGACAACCAAGGCGCCGACCCCGTCTAGGTTAAGGACCAAGGCCCGGCCATGCAAG  
 ATGGGCAGTGTGAGCACTGGGTCCGACCCGGGACGGGCCCTGTTTCAAGCCAGCCC  
 TTGGCGGGGCTAAACACGGGCATGCTGTAAACCTTCTTAGGTACGGGGACCCACCCCA  
 TTGGCCGCCCTTGGGAACCCAAAAGCCAAAAGGTTTGGGCCCTTCCCCATGAGTTAACA  
 GCTGGTCCAAAAGCCGGGAGCCGACCGGCCCTTGGGTTGTCTAATCCCTTTCCGGA  
 ACAT

**Restriction Sites:**

ECoRI-NOT

**ACCN:**

NM\_003492

**Insert Size:**

1470 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: | <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> |
| RefSeq:                | <a href="#">NM_003492.1</a> , <a href="#">NP_003483.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RefSeq Size:           | 1411 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RefSeq ORF:            | 786 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:              | 8269                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt ID:            | <a href="#">Q14656</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cytogenetics:          | Xq28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Protein Families:      | Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Summary:          | This gene consists of two exons and encodes a multi-pass membrane protein. An alternatively spliced transcript variant encoding the same protein has been found, but its biological validity is not determined. [provided by RefSeq, May 2010]                                                                                                                                                                                                                                                                    |