

## Product datasheet for **SC305953**

### TMEM132D (NM\_133448) Human Untagged Clone

#### Product data:

|                      |                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------|
| Product Type:        | Expression Plasmids                                                                               |
| Product Name:        | TMEM132D (NM_133448) Human Untagged Clone                                                         |
| Tag:                 | Tag Free                                                                                          |
| Symbol:              | TMEM132D                                                                                          |
| Synonyms:            | MOLT; PPP1R153                                                                                    |
| Vector:              | <u>pCMV6 series</u>                                                                               |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_133448, the custom clone sequence may differ by one or more nucleotides |

```

ATGTGCCCGTCTGAGATGGGGACGCTGTGGCACCCTGGTCGCCGCTACTCATCAGCCTG
GCCGCCCTGTTTTCAAAGTGACGGAAGGTCGAGGGATCCTTGAGAGCATCCAGAGGTTT
TCCTTGCTGCCACCTACCTCCCGTGACCTACCACATCAACAACGCGGACGTCTCCTTC
TTCCTGAAGGAGGCCAACAGGATATCATGAGGAATCCAGCCTGCAGTCCCGGGTGGAG
TCATTTCTGATTTACAAATCCAGGAGGCTGCCTGCTCAATGCCAGCTACGGGCCTTTC
TCCATCGAGCAAGTGGTGCCCGAGGATTTAATGCTACCTTCCAACCCATTTGGATTACCC
AACAAATTTTCTCTTAAGTGAAGTAAAGGCCACATCTGCGGACAAAGTCTACCTG
AGCCGGCCCAAAGTGACAGTTCTGTTCCACATCATGGGCAGAGACTGGGACGACCGCAGC
GCCGGGGAGAAGCTGCCGTGCCTGAGGGTCTTTGCTTTCCGAGAGACCCGAGAGGTGCGG
GGCAGCTGCCGGCTGCAGGGGGACCTGGGGCTGTGCGTGGCCGAGCTGGAGCTCCTGTCC
AGCTGGTTCAGCCCCCCCACGGTGGTTGCCGGGAGGAGGAAGTCCGTGGACGACCGGGAG
GGGACCCCCGTGGAGCTCTACTACCCGTGCACCCAGGGGGTGAGAGAGGGGACTGCGTC
AGGGAAGACGCGAGGAGAAGCAATGGGATCCGGACAGGCCACAGTGACATCGATGAGTCC
GGGCCCCCTTGACAGAGGATCGGGAGCATCTTCCTTTATCAGACACACAGGAAACCCTCC
CTGAGAGAAGTGCCTCTGGACAACAGCGTGGCCATCCACTATATACCAAAGACCGTGAGG
AAAGGAGACGTGCTGACTTTTCTGTTTCCATCTCCAGAAATTCCACTGAAGATCGCTTC
ACGTTGAGGGCAAAGGTGAAGAAAGGCGTGAACATCATCGGCGTGCGAGCCAGCAGCCCT
TCCATTTGGGATGTCAAGGAGCGCACGGATTATACTGGAAGTATGCACCAGCTGTCATC
GTTTGTGAGAAGAAAGCAGCTGGCTCAGAAAACAGTGCGGATGGCGCCTCCTACGAGGTC
ATGCAGATCGATGTGAGGTGGAAGAGCCTGGTGACCTGCCAGCCACACAGCTGGTCACG
TGGCAGGTCGAGTACCCCGGAGAGATCACGTCTGACTTGGGAGTGTCGAAGATCTATGTG
AGCCCCAAGGACTTGATTGGAGTTGTGCCGCTGGCTATGGAGGCAGAAATCCTGAACACA
GCCATCCTCACGGGAAGACGGTGGCCGTCCCGGTGAAAGTGGTCTCCGTGGAGGACGAC
GGCACAGTGACAGAGCTGCTGGAGTCTGTGGAGTGTAGATCGTCTGATGAAGACGTGATT
AAGGTTTCTGACAGATGTGACTACGTCTTTGTCAATGGGAAAGAAATGAAAGGCAAGGTC
AACGTGGTGGTGAACCTACCTACCAGCACCTGAGCAGCCCCCTGGAGATGACGGTGTGG
GTGCCCCGGCTTCCGCTGCAGATCGAGGTCTCCGACACCGAGCTCAATCAGATCAAGGGT
TGGAGAGTGCCCATCGTCTCCAGCAGGAGGCTGCCGGGGACAGTGAAGAGGAGGAGGAT
GATGAGCGGAGGGGCCGGCTGCACCTGCAGTACCAGCACGCCATGGTGCGGGTCTCTG

```



[View online »](#)

ACGCAGTTTGTGGCTGAGGCGGCCGCCCTGGGGGACACCTGGCCACCTGCTGGGCTCA  
 GACTGGCAAGTGGACATCACGGAGCTGATAAATGACTTCATGCAGGTGGAGGAGCCCAGG  
 ATCGCCAAGTGAAGGCGGACAGATCCTGATGGGGCAGGAGCTTGGGATGACCACCAT  
 CAGATCCTGTCTCCTCTGTCAGACACCATCCTCGCTGAAAAGACCATCACTGTGCTGGAC  
 GAGAAGGTGACCATCACAGACCTCGGGGTGCAGCTGGTGACAGGGCTGTCACTCTCCTTG  
 CAGCTCAGCCCAGGAAGCAACAGGGCCATCTTTGCCACTGCAGTGGCTCAGGAACCTCTG  
 CAGAGGCCAAAACAGGAAGCAGCCATCAGTTGCTGGGTCCAGTTCAGTGATGGCTCAGTC  
 ACGCCCTTGGATATTTACGATGGGAAAGACTTCTCCTTGATGGCCACATCTTTGGATGAG  
 AAGGTAGTCTCCATCCACCAAGACCCCAAATTCAGTGGCCTATCATTGCTGCGGAAACA  
 GAAGGACAAGGCACCCTGGTCAAGGTGGAAATGGTTATTAGTGAATCCTGCCAGAAATCC  
 AAGCGGAAGAGTGTGTTAGCTGTTGGAACGGCAAACATCAAAGTTAAATTTGGCCAAAAC  
 GATGCTAACCCCAACACCAAGTGACAGCAGACACAGGGGCAGGGGTTACATGGAAAAC  
 AATGTCAGTGACAGAAGGCCCAAAAACCTCGCAGGAATGGGGGAGTCAGGAAGGACAG  
 TACTATGGCAGTTCTTCTATGGGACTCATGGAGGACGGGGCACCACGACAGACAGGTCC  
 ATCCTGCAGAAGAAGAAAGGCCAGGAAAGCCTTTTAGATGACAACAGCCACTTGCAGACC  
 ATCCCCAGCGACCTCACCAGCTTCCAGCCAGGTGGACCTCCCCAGAAGCAATGGGGAA  
 ATGGATGGGAATGACCTTATGCAGGCATCCAAAGGGCTGAGCGACTTAGAAATTTGGGATG  
 TATGCTTTGTTGGGAGTCTTCTGTTTGGCCATTTTGGTCTTCTTGATAAACTGTGTGACC  
 TTTGCATTAATAACAGACACAAACAGGTTCCCTTCGAGGAGCAGGAAGGGATGAGTCAC  
 TCTCATGACTGGGTTGGGTTAAGCAACCGGACAGAGCTGTTGGAGAATCACATCACTTT  
 GCCTCCTCGAAGATGAGCAAATCACTGCCATTGACAGGGGCATGGATTCGAGGAAAGT  
 AAATATCTCCTCAGCACAAACTCCAAAAAAGCATCAATGGGCAGCTGTTCAAACCTTTG  
 GGACCCATCATCATTGATGGGAAAGATCAGAAAAGTGAGCCCCAACATCCCCTACCTCA  
 AAAAGGAAAAGGTAATAATTTACCACCTTCACCGCCGTCTCCTCAGACGACGAGTACCCC  
 ACCAGGAATCCATCGTGATGAGTAGCGAGGATGACATTAAGTGGGTCTGCCAGGATCTG  
 GACCCTGGGGACTGCAAAGAGCTGCACAACTACATGGAGAGGTTACATGAAAATGTGTAA

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Restriction Sites:</b>     | Please inquire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ACCN:</b>                  | NM_133448                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <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>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>NM_133448.1, NP_597705.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                   |                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------|
| RefSeq Size:      | 5815 bp                                                                                                |
| RefSeq ORF:       | 3300 bp                                                                                                |
| Locus ID:         | 121256                                                                                                 |
| UniProt ID:       | <u><a href="#">Q14C87</a></u>                                                                          |
| Cytogenetics:     | 12q24.33                                                                                               |
| Protein Families: | Transmembrane                                                                                          |
| Gene Summary:     | May serve as a cell-surface marker for oligodendrocyte differentiation.[UniProtKB/Swiss-Prot Function] |