

## Product datasheet for **SC126767**

### **TMEM150C (AK023055) Human Untagged Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | TMEM150C (AK023055) Human Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | TMEM150C                                 |
| Mammalian Cell Selection: | None                                     |
| Vector:                   | <u>pCMV6-XL5</u>                         |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK023055, the custom clone sequence may differ by one or more nucleotides

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AGTAATTTTCAGCTCACAAATGATGAAGAAATCCATAACGTCGGAACCTCCTTGACCTTTGGATTGGCA
CATTGACCTGCTGGATCCAGGCTGCGCTGACACTCAAGGTCAACATCAAGAATGAAGGACGGAGAGTTGG
AATTCACGGGTATTCTGTGCGCATCTATCACTCTCTGTGTGGTCTCTACTTCATCCTCATGGCCAA
AGCATCCACATGTATGCAGCCAGGGTCCAGTGGGGCCTGGTCATGTGCTTCCTGTCTTATTTTGGCACCT
TTGCTGTGGAGTTCGGCATTACCGCTATGAGATTGTTTGCTCTGAGTACCAGGAGAATTCCTAAGCTT
CTCAGAAAGCCTGTCAGAAGCTTCTGAATATCAGACTGACCAGGTGTAAACCATCAGTTTTTCTTGCTG
GTGAGGTGGGTGTGACAGTGGGGGAGGGGCCAGTAGGACACACTCACAGGACTTGACATAGAACCTCATT
TCACACACACACACACACATTATGGCCACATTTGCCAAATGAGCTTTTCAGGGCGAGTTATTTCT
TTAATGAAAAAGCACAAGCCCTTATGTGTCGAAATACACGCTGTTACACTGAAAAATATGCACGACAGA
GCAAGAAGCTTGTGCATGATCACTTCTTATCCGTCCTTCCCAGCACTCCCTCCTTCCCATTCTCTC
CACATGTCTCAAGCACCTACCGAGTAGGGCAGGCCAAATGTTCTTGGGAGTAATGCCAACTCCCGACG
TTGCCTTCAGGTCCAAAGGGCTTGAACCAAGCTCGTGAGGAAGTTCTGAATCTGGCACTAATATTCTTGA
GTGGATAATAGTGATATCATAAGAATAGGACGGAAATGTATTGAGATGTGACCCTGTGTGCGCTGTGGAAA
GGCATAGTGAGAAGAAGCTTTCCACGAAAGCCCTTCATCGTTGTTAGTGCGGCTGTGTGGATCCC
AGGAGAGACATATGCCACAGACTGTGAGAGCAAAGCCCGCGCTGTGATCTGGACTTGATGCACTGTGTC
TGAGAAATGATCTCCAAATGTGAATATGTGTAGGGACGTGGTCTATCAGGCCTGGAACAAGATGGGGCAG
TGAAGGTATGGTTAGTGTTTGTCTTATAGTATGCCATGTACAATGTTTATATTTATAGTTTCTTTT
AAGTAACCTACCATGAGTCTCTCTAAGCCTCATGGACAAAGATGTAGACCAATGCAAGAGCTGAGCTTGC
TTTGGGTTCAACCATGATCAAAGAAAACTGAGGTACCTGCAGGCTTACGTGGGAAGCTAAGAAAAATAT
CACAGAAAAATGGAAAGAAATATGGATGTGCAGAGGTAATAAAAAGAGCTGCTGCTGGACATTTATCAAA
GATAGGCACCTTACAGTATCTTGTGCAAGTCCAAATCAGGGGAGACTTTGTTAATATGTATCTTTTGT
CAAATTTAGTAGGGTTTTTTTTTTTTTTTGGATTAAGGGCTTTTCAAATTTGGAATTTGTAGAAGCCAATT
AAAAGAATACCCTTCTTAAAAACCAATTGACACAGCTGGCCCCCTGCTAGCCAACCCGAGTTCCAG
TTCCCACCTGCTGAGAGTTCAGAACTCAGACCGTAGGTGTGGGCTTATGAGACTGTGCTTCATGAAGAAA
AGCAGAATTCAAATTCAACTGTTGGAGTGAGCCAAGTGGACAGACCCTCCATGAGTGCACCTTTCTTCC
AAGAAATCCCCAGATTTACCCATAGAGGTCTGGGATTACCTGGAATATAATATGAAAAACATTTTTTAG
GCTGGGTGTGGGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGCGGATCACCTGAGGTT
GGGAGCTCGAGACCAGCCTGACCAATGTGAAGAAACCCCGTCTCTACTAAAAAAATACAAAATTAGCCT
GGTGTGGTGGCGCATGCCTGTAATCCCGCTACTCAGGAGGCGGAGGCAGGAGAATCACTTGAACCCGGG
AGGCAGGTTGCGGTGAGACGAGATCACGCCATTGCACTCCAGCCTGGGCAAAAAGAGCTAAAACTCCAT
CTC

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| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for AK023055 unedited</p> <pre> ATTGTGTAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTTCTTTGCTGAA TGGGCCTTCATGTGTCATTATCCATTATCCCTAAGCTCACAATGATGAAGAAATCCAT AACGTCGGAACCTCCTTGACCTTTGGATTGGCACATTGACCTGCTGGATCCAGGCTGCG CTGACACTCAAGGTCAACATCAAGAATGAAGGACGGAGAGTTGGAATTCACGGGTTATT CTGTGGCATCTATCACTCTCTGTGTGGTCTCTACTTCATCCTCATGGCCAAAGCATC CACATGTATGCAGCCAGGTCAGTGGGGCCTGGTCATGTGCTTCCTGTCTTATTTTGGC ACCTTTGCCGTGGAGTTCCGGCATTACCGCTATGAGATTGTTTGTCTGAGTACCAGGAG AATTTCTAAGCTTCTCAGAAAGCCTGTGAGAAGCTTCTGAATATCAGACTGACCAGGTG TAAACCATCAGTTTTTCTTGCTGGTGAGGTGGGTGTGACAGTGGGGGAGGGGCCAGTAG GACACACTCACAGGACTTGACATAGAACCTNATTTNACACACACACACACACACATTC ATGGCCACATTTGCCAAATGAGCTTTTCAGGGCGAGTTATTTCTTAATGAAAAAGCACA AGCCCTTATGTGTCGAAATACACGCTGTTACACTGAAAATATATGCACGACAGAGCAAGA AGCTTGTGCATGATCACTTCTTATNCGTCCCCTCCAGCACTCCCTTCTCTTCCATTCTC TNCCATGTCTCAAGCACCTACCGAGTAGGNCAGCCANNATGTCTTNGAGAGTATGCCACT NCCGACGTGCCTTCAGGTCAAAGGCTNGNACCCACTGGGAGGAN </pre> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ACCN:</b>                        | AK023055                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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>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="#">AK023055.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>                 | 2103 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq ORF:</b>                  | 2103 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Locus ID:</b>                    | 441027                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cytogenetics:</b>                | 4q21.22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Summary:</b>                | <p>This gene encodes a transmembrane protein component of a mechanosensitive ion channel that is activated by mechanical stimuli in various cell types and confers slowly adapting, mechanically activated currents in dorsal root ganglion neurons. Mechanically activated ion channels are sensors that are critical for hearing, touch, pain, and blood pressure regulation. [provided by RefSeq, Jul 2017]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |