

## Product datasheet for RN206174

### Tmem79 (NM\_001033896) Rat Untagged Clone

#### Product data:

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                |
| Product Name:             | Tmem79 (NM_001033896) Rat Untagged Clone                                           |
| Tag:                      | Tag Free                                                                           |
| Symbol:                   | Tmem79                                                                             |
| Synonyms:                 | RGD1309886                                                                         |
| Mammalian Cell Selection: | Neomycin                                                                           |
| Vector:                   | pCMV6-Entry (PS100001)                                                             |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                               |
| Fully Sequenced ORF:      | >RN206174 representing NM_001033896<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACAGAACCGGAGACACTGGCCCTGCTGGACATGAAGGACACTGAGATTTAGAGAAGAGCCACCGC  
 AGGCTTCAGTCCTGCAGCCAGAGGAAGAAGGTGGGACTGAGTCCCCTGGAGCTGAGTCCCTCAGAGTG  
 GTCTTCAGTAGGGTCTCTACAGTCAGAGAGGGGCTGAGGATGGACCAGACAGCACAATAAGTGAGGCT  
 GCCACTTTACCTTGGGGAAGTACCCCCATCCCAGCGCCCCACTTCCGGATCCCCGGGCTGGCGAGATA  
 TTGGGCCAGAGCTCCTAGAGTCAGAAGCACCTATTAAGTCGGAGGAACCACTCAAAGAGGATGCCAACCT  
 GCTCCCTGAGAAGACAGTTAGGGCCTTCGTGCCCATTTGACCTACAGTGCAATCGAGCGGAAGCCTCAGGAG  
 GAGCGCATCAAGCATCGTGAGGCCGAGCAGGCGAGCTCAGGAATTTCTTGCCAGCCGACTCAGCCACC  
 CTGAGCCCCCAGAGCGCAAGTGGGCTGAGGCAGTTGTGAGACCCCTGGCCGGTCTCGGGGGCTGTGG  
 AAGCTGTGGAGGCCGTGAGGCACTGAGAGCTGTAGCCTCGGTGGTGGTGCCTCATCTTCTCCCTGC  
 CTGCTGTATGGAGCATACGCCTTCCTGCCTTCGATGCTCCAAGGCTGCCACCATGAGCTCCCGCTTGG  
 TCTATACCCTCCGCTGTGGGTCTTTGCCACCTTCCCCATCGTGCTGGGGCTCCTCGTGTACGGGCTGAG  
 CCTATTGTGCTTTTCTGCCCTTCGGCCCTTTGGAGAGCCGAGACGGGAAGTAGAGATCCACCGCAGTAC  
 GTGGCCAGTCTGTGCAGCTCTCATCTCTACTTCTTTAACCTGGCTGTGCTTTCCACCTATCTGCCCC  
 AGGACACGCTCAAGCTGCTCCCCCTGCTACCGGTCTGTTTGCCATATCTCGGCTGATATACTGGCTGAC  
 CTTTGCTGTGGGCCGCTCCTTCCGAGGCTTTGGCTACGGCCTGACTTTCTGCGGCTCTTGCCATGCTG  
 GTGTGGAACCTCTATTACATGTTCTGTTGGAGCCAGAGCGCATGCTCAGTGCCTCCGAGAGCCGCTTGG  
 ACTACCCCGACCATGTCCGGTCTGTTTCTGACTACAGGCCCGCTCATGGGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Restriction Sites:</b>     | Sgfl-Mlul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ACCN:</b>                  | NM_001033896                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Insert Size:</b>           | 1176 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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>                | <u>NM_001033896.1, NP_001029068.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 2082 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1176 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 310626                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q3T1H8</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 2q34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | Contributes to the epidermal integrity and skin barrier function. Plays a role in the lamellar granule (LG) secretory system and in the stratum corneum (SC) epithelial cell formation (By similarity).[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                  |