

Product datasheet for **SC105714**

TMEM117 (NM_032256) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | TMEM117 (NM_032256) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TMEM117 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene ORF within SC105714 sequence for NM_032256 edited (data generated by NextGen Sequencing)

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ATGGGTAAAGACTTTCGTTACTATTTCCAGCATCCCTGGTCTCGCATGATTGTGGCTTAC
TTGGTGATCTTCTTTAACTTCTTAATATTTGCGGAGGACCCAGTTTCTCATAGCCAAACA
GAAGCCAATGTTATTGTTGTTGGAACTGTTTTTCATTTGTTACAATAAATACCCTAGA
GGAGTTGGCTGGAGGATTTTGAAGGTGCTTCTATGGCTACTTGCCATTCTCACAGGACTA
ATAGCTGGCAAATTTCTGTTCCATCAGCGTTTTGTTGGTCAGTTGCTCCGATTAATAATG
TTTCGAGAAGATCATGGGTCGTGGATGACAATGTTCTTTCAGCACAAATTCTTTCTCTTC
ATATTTTCTCACATATACAACACGATTCTTCTAATGGATGGGAACATGGGAGCATATATC
ATTACAGACTATATGGGCATCCGAAATGAAAGTTTCATGAAATTAGTGCAGTAGGGACC
TGGATGGGGGACTTTGTACAGCTTGGATGGTCACTGATATGATGCTTCAGGACAAACCC
TATCCTGACTGGGAAAATCAGCAAGAGCTTTCTGGAAGAAAGGAAATGTTAGGATCACT
TTATTCTGGACAGTTCTTTTACTCTGACGTCTGTGGTTGACTTGTGATTACAACGGAC
TGGATCAGCTGGGACAAGCTGAATCGGGGATTTTTCAGGATGATGAAGTTTCCAGAGCA
TTCCTTGCTTCTTTTATCTTGGTCTTTGACCTTCTTATTGTGATGCAGGACTGGGAATTC
CCACATTTTCATGGGAGATGTTGATGTAATCTCCCTGGTTTGCACACCCCTCACATGCAG
TTCAAGATTCTTTCTTCCAGAAAATCTTCAAGGAGGAATATCGTATTACATAACAGGC
AAATGGTTAACTATGGAATTATCTTCCCTCGTCTTGATTTTGGATCTTAATATGTGGAAG
AACCAATATTTTATAAACCTCATGAATATGGGCAATATATCGGCCCGGGGCAGAAGATA
TATACAGTGAAAGACTCAGAAAGTTTAAAAGATTTGAACAGAACCAAGCTATCCTGGGAA
TGGAGGTCCAATCACACTAACCTCGGACTAATAAAACATATGTTGAGGGAGACATGTTT
TTACACAGCAGTTTATAGGAGCCAGTCTTGATGTCAAGTGTCTGGCCTTTGTTCCAAGC
CTGATAGCCTTTGTGGTTTGGATTCTTTATTTGGTTCTTTGGACGATTTTGTAAAAAT
GAGCCACGCATGGAGAATCAAGACAAAACCTTACACTCGCATGAAAAGAAAATCTCCATCA
GAACATAGCAAAGACATGGGAATCACTCGAGAAAACACCCAGGCTTCAGTAGAAGACCC
TTGAATGACCCTTCTTTGGTTTGCATCAGGTCTGACTTCAATGAGATCGTCTACAAGTCT
TCCCACCTAACCTCGGAAAACCTTGAGCTCACAGTTGAACGAATCTACTAGTGAACAGAA
GCTGATCAAGACCAACGACTTCTAAAAGTACACCTACGAACTAG
    
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Clone variation with respect to NM_032256.1

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_032256 unedited
CTCACTATAGGGCGCCGCGAATTCGGCACGAGGGTCTCGCCGCGCTTCCAGCGAGGCC
GCCGGCGCGCCGAGGGCTGTGCTCGACCGCAATCCCCTGTGCAGTGCAGCCCGCGCCCG
CGCGACCCCTTCGGTAACTACGAACTGGGAGTTCTGAAGAATGGGTAAAGACTTTCGTT
ACTATTTCCAGCATCCCTGGTCTCGCATGATTGTGGCTTACTTGGTGATCTTCTTTAACT
TCTTAATATTTGCGGAGGACCCAGTTTCTCATAGCCAAACAGAAGCCAATGTTATTGTTG
TTGGAACTGTTTTTCATTTGTTACAAAATAAATACCCTAGAGGAGTTGGCTGGAGGATTT
TGAAGGTGCTTCTATGGCTACTTGCCATTCTCACAGGACTAATAGCTGGCAAATTTCTGT
TCCATCAGCGTTTGTGGTTCAGTTGCTCCGATTAATAATGTTTCGAGAAGATCATGGGT
CGTGGATGACAATGTTCTTTCAGCACAAATCTTTTCTTCTCATATTTTCTCACATATACA
ACACGATTCTTCTAATGGATGGGAACATGGGAGCATATATCATTACAGACTATATGGGCA
TCNCGAATGAAAGTTTCATGANATTAGCTGCAGTAGGGACCTGGATGGNNGACTNTGTCA
CAGCTTGGATGGTCACTGATATGATGCTTCAGGACAAACCTATCCTGACTGGNNNGAAA
TCAGCAGAGCTTTCTGGNAGAANAGGAATGNTANGACTACTNTATTCTGGACAGTNTCTT
TACTCTGACGTCTGGGNTGNACCTGNGAATAACAACGGACTGGATCAGCTGGGNACAGC
TGATTCNCGGGGATTTTTGGCCATGAATGAAAGTTCCAAAGCATTCTTGTCTCTTTATCN
TGGGCTTTGACCTCCTTATGGGATGCAGACTGGGGATTCCCATTCATGGGAAAAGGGGG
AGGAAATTCCTGGTTGGCCACCCTCACTGCANTCAAGATCCTTTCTCCGAAATCTCAGG
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| 3' Read Nucleotide Sequence: | >OriGene 3' read for NM_032256 unedited TAGGCTTTTTTAAAGTGAATATTTAGTTCTTAAAAACAAAAACAAAAACACATACGCAA AACAAAGACATTAACAAATTCCTTCATGCACGGCTTCTCTACCTGACAAGGTTCCGCTGC ATGATTTTTTGAGGAGTCCCTTGCTCAGGGTTGGCATAATGTTTTCAATTTTCACTATC CAGAGCCATATTTGCAGAAAGATATACGAATATTGAAATGGTGGGATGTGCTGCTCTCA TATGATGAAAACCTCAGTTCCTTGTTGCTGGGACTTTGTGAAATGCCAATAAATTTG AGAGTTCGCCAACTGTGTCTCTTAACCTTTGTTCCCAAAGGTGAAGGGCAGGATTTTGA ATCAAGTAGCAATTTATCTTTAATTAGGAAAACATAATTAGGTATCATCACCTCATTTC ATTACTGGTGGGAGAAAGTCACATTTCCAGAGTAGTGACCCATGTTGGGTATGGATCTC CTATTACTGAATTTTGCATCTGTATTTATTTGGCAGACAGCCAATAAAAAATTAAGG TGATCACCATGTTTCTCTGCAGTCCAGTTGTCAAAGTCACCAACTCTGCTGCTGAATAAG AAACCAAGAGATACTTCTGAGTCACATTTAGCTATTTCTGTTTTCTGCTCAGACATCAA GTGTAGATCAAAATAGTTGTATACAAAACGCCCATGTGAAATAGGTTAAGTAACTGTTCC ACACTTCATTTCTGGTACAGTTAANAACAGTTTAAATGTCTCAAGGGCACACTATGGGNTG ACATCAGATCATGGGTATCANCTAATCTTTCACTATGCTGTAAGTCAGTATAGCTTGTG CATTGTGAAAGCATCTCTAGAGACTGTTGAGTTACAGTAGCACCTGTTTTATCAAATGA AACATGAATCCAAAAAGCTGTTGAGCACCGTGGGGCATGTCCTATTTTACCTACACACCT AACCTACTTTCAA |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_032256 |
| Insert Size: | 1790 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"> 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: | <u>NM_032256.1, NP_115632.1</u> |
| RefSeq Size: | 2706 bp |
| RefSeq ORF: | 1545 bp |
| Locus ID: | 84216 |
| UniProt ID: | <u>Q9H0C3</u> |
| Cytogenetics: | 12q12 |
| Protein Families: | Transmembrane |

Gene Summary:

Involved in endoplasmic reticulum (ER) stress-induced cell death pathway.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).