

Product datasheet for **SC335673**

TMEM117 (NM_001286213) Human Untagged Clone

Product data:

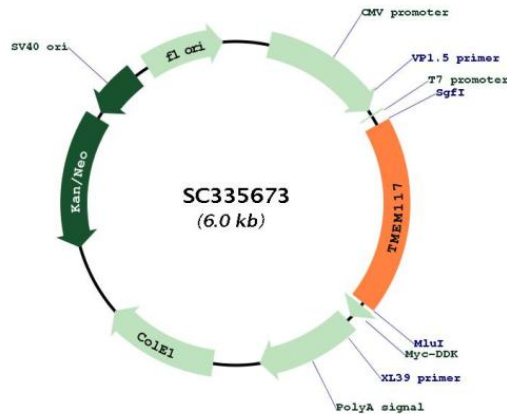
Product Type: Expression Plasmids
Product Name: TMEM117 (NM_001286213) Human Untagged Clone
Tag: Tag Free
Symbol: TMEM117
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC335673 representing NM_001286213.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCATCCGAAATGAAAGTTTCATGAAATTAGCTGCAGTAGGGACCTGGATGGGGACTTTGTCACA
GCTTGGATGGTCACTGATATGATGCTTCAGGACAAACCCATCCTGACTGGGGAAAATCAGCAAGAGCT
TTCTGGAAGAAAGGAAATGTTAGGATCACTTTATCTGGACAGTTCTTTTACTCTGACGCTGTGGTT
GTACTTGTGATTACAACGGACTGGATCAGCTGGGACAAGCTGAATCGGGGATTTTGGCCAGTGATGAA
GTTCCAGAGCATTCTTGCTTCTTTTATCTTGGTCTTTGACCTCTTATTGTGATGCAGGACTGGGAA
TTCCACATTTTCATGGGAGATGTTGATGTAATCTCCCTGGTTTGCACACCCCTCACATGCAGTTCAAG
ATTCCTTTCTCCAGAAAATCTTCAAGGAGGAATATCGTATTCACATAACAGGCAAATGGTTTAACTAT
GGAATTATCTTCTCGTCTTGATTTTGGATCTTAATATGTGGAAGAACCAATATTTTATAAACCTCAT
GAATATGGGCAATATATCGGCCCGGGCAGAAGATATACAGTGAAGACTCAGAAAAGTTAAAAGAT
TTGAACAGAACCAAGCTATCCTGGGAATGGAGTCCAATCACACTAACCTCGGACTAATAAAACATAT
GTTGAGGGAGACATGTTCTTACACAGCAGGTTCAAGGAGCCAGTCTTGATGTCAAGTGTCTGGCCTTT
GTTCCAAGCCTGATAGCCTTTGTGTGGTTTGGATTCTTTATTTGGTTCTTTGGACGATTTTAAAAAT
GAGCCACGCATGGAGAATCAAGACAAAACCTTACACTCGCATGAAAAGAAAATCTCCATCAGAACATAGC
AAAGACATGGGAATCACTCGAGAAAACACCCAGGCTTCAGTAGAAGACCCCTTGAATGACCTTCTTTG
GTTTGCATCAGGTCTGACTTCAATGAGATCGTCTACAAGTCTCCACCTAACCTCGGAAAACCTTGAGC
TCACAGTTGAACGAATCTACTAGTGCAACAGAAGCTGATCAAGACCCAACGACTTCTAAAAGTACACCT
ACGAACTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001286213

Insert Size: 1113 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:

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: [NM_001286213.1](#)

RefSeq Size: 2871 bp

RefSeq ORF: 1113 bp

Locus ID: 84216

UniProt ID: [Q9H0C3](#)

Cytogenetics: 12q12

Protein Families: Transmembrane

MW: 43.2 kDa

Gene Summary: Involved in endoplasmic reticulum (ER) stress-induced cell death pathway.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) lacks an alternate exon in the 5' coding region and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (d) has a shorter N-terminus than isoform a.