

Product datasheet for **SC335940**

TMEM117 (NM_001286212) Human Untagged Clone

Product data:

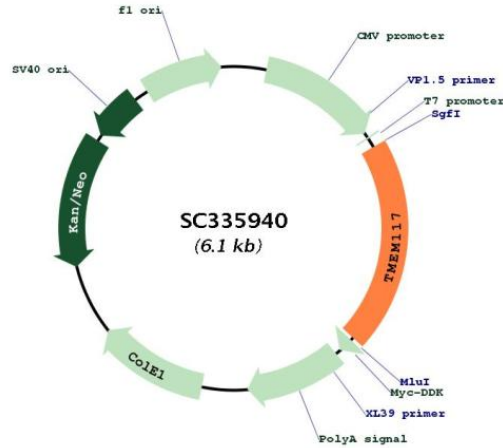
Product Type: Expression Plasmids
Product Name: TMEM117 (NM_001286212) Human Untagged Clone
Tag: Tag Free
Symbol: TMEM117
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC335940 representing NM_001286212.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTACTTGCCATTCTCACAGGACTAATAGCTGGCAAATTTCTGTTCCATCAGCGTTTGTGGTCA
GTTGCTCCGATTAATAATGTTTCGAGAAGATCATGGGTCGTGGATGACAATGTTCTTCAGCACAAATCT
CTTTCTCTTCATATTTTCTCACATATACAACACGATTCTTCTAATGGATGGGAACATGGGGTCACTGAT
ATGATGCTTCAGGACAAACCCTATCCTGACTGGGAAAATCAGCAAGAGCTTTCTGGAAGAAAGGAAAT
GTTAGGATCACTTTATTCTGGACAGTTCTTTTACTCTGACGCTGTGGTTGACTTGTGATTACAACG
GACTGGATCAGCTGGGACAAGCTGAATCGGGGATTTTGGCCAGTGATGAAGTTCCAGAGCATTCCTT
GCTTCTTTTATCTTGGTCTTTGACCTTCTTATTGTGATGCAGGACTGGGAATCCACATTTCCATGGGA
GATGTTGATGTAATCTCCCTGGTTTGACACCCCTCACATGCAGTTCAAGATTCCTTTCTCCAGAAA
ATCTTCAAGGAGGAATATCGTATTCACATAACAGGCAAATGGTTAACTATGGAATTATCTTCTCGTC
TTGATTTTGGATCTTAATATGTGGAAGAACCAAATATTTTATAAACCTCATGAATATGGGCAATATATC
GGCCCGGGCAGAAGATATACAGTGAAGACTCAGAAAGTTTAAAAGATTTGAACAGAACCAAGCTA
TCCTGGGAATGGAGTCCAATCACACTAACCTCGGACTAATAAACATATGTTGAGGGAGACATGTTT
TTACACAGCAGGTTCATAGGAGCCAGTCTTGATGTCAAGTGTCTGGCCTTTGTTCCAAGCCTGATAGCC
TTTGTGTGGTTTGGATTCTTTATTTGGTCTTTGGACGATTTTGAAGAAATGAGCCACGCATGGAGAAT
CAAGACAAAACCTTACACTCGCATGAAAAGAAAATCTCCATCAGAACATAGCAAAGACATGGGAATCACT
CGAGAAAACACCCAGGCTTCAGTAGAAGACCCCTTGAATGACCCTTCTTTGGTTTGCATCAGGTCTGAC
TTCAATGAGATCGTCTACAAGTCTTCCACCTAACCTCGGAAAACCTGAGCTCACAGTTGAACGAATCT
ACTAGTGAACAGAAGCTGATCAAGACCAACGACTTCTAAAAGTACACCTACGAACTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001286212

Insert Size: 1233 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_001286212.1](#)

RefSeq Size: 2904 bp

RefSeq ORF: 1233 bp

Locus ID: 84216

Cytogenetics: 12q12

Protein Families: Transmembrane

MW: 47.8 kDa

Gene Summary:

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

Transcript Variant: This variant (3) lacks an alternate exon in the central coding region and initiates translation at an alternate downstream start codon, compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform a.