

Product datasheet for **SC334944**

TMEM117 (NM_001286211) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM117 (NM_001286211) 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:	>NCBI ORF sequence for NM_001286211, the custom clone sequence may differ by one or more nucleotides

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ATGGGTAAGACTTTCGTTACTATTTCCAGCATCCCTGGTCTCGCATGATTGTGGCTTACTTGGTGATCT
TCTTTAACTTCTTAATATTTGCGGAGGACCCAGTTTCTCATAGCCAAACAGAAGCCAATGTTATTGTTGT
TGGAAACTGTTTTTCATTTGTTACAAAATAATACCCTAGAGGAGTTGGCTGGAGGATTTTGAAGTGCTT
CTATGGCTACTTGCCATTCTCACAGGACTAATAGCTGGCAAATTTCTGTTCCATCAGCGTTTGTGGTC
AGTTGCTCCGATTAATAATGTTTCGAGAAGATCATGGGTCGTGGATGACAATGTTCTTCAGCACAAATCT
CTTTCTCTTCATATTTTCTCACATATACAACACGATTCTTCTAATGGATGGGAACATGGGAGCATATATC
ATTACAGACTATATGGGCATCCGAAATGAAAGTTTCATGAAATTAGCTGCAGTAGGACCTGGATGGGGG
ACTTTGTACAGCTTGGATGGTCACTGATATGATGCTTCAGGACAAACCCTATCCTGACTGGGGAAAATC
AGCAAGAGCTTTCTGGAAGAAAGGAAATGTTAGGATCACTTTATTCTGGACAGTTCTTTTACTCTGACG
TCTGTGGTTGACTTGTGATTACAACGGACTGGATCAGCTGGGACAAGCTGAATCGGGGATTTTGCCTCA
GTGATGAAGTTTCCAGAGCATTCTTGCTTCTTTTATCTTGGTCTTTGACCTTCTATTGTGATGCAGGC
AAATGGTTTAACTATGGAATTATCTTCTCGTCTTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001286211
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).



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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_001286211.1](#), [NP_001273140.1](#)

RefSeq Size: 2874 bp

RefSeq ORF: 807 bp

Locus ID: 84216

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 (2) lacks an alternate exon in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a.