

Product datasheet for **SC323126**

TMCC1 (NM_001128224) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMCC1 (NM_001128224) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMCC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC323126 representing NM_001128224.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAAGAGAGGGACAAGCTTGCATAGTAGGCGGGCAAGCCAGAGGCCCAAGGGAAGTCCCAAAATC
AACAGGAAGTCTGGTCAGGAGATGACAGCTGTTATGCAGTCAGGCCGACCCAGGTCTTCATCCACAAT
GATGCACCTACCAGCTCTGCTATGATGGAAATAGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTA
CCAGGAGAGGAGGGAAGTCCGAGCGGATCGAACGGTTGGAAGTAAGCAGCCTTGCCCAAACATCCAGT
GCAGTGGCTCCAGTACCGATGGCAGCATCCACACAGACTCTGTGGATGGAACACCAGACCTCAGCGC
ACAAAGGCTGCCATTGCTCACCTGCAGCAGAAGATCCTGAAGCTCACAGAACAAATCAAGATTGCACAA
ACAGCCCGGGACGACAACGTTGCTGAATACTTGAAGCTTGCCAACAGTGCAGACAAACAGCAGGCTGCC
CGCATCAAGCAAGTCTTTGAGAAGAAGAACAGAAATCTGCCAACTATCCTCCAGCTGCAAAAGAAA
CTTGAGCACTACCACAGGAAGCTCAGAGAGGTAGAGCAGAATGGGATCCCCGGCAGCCAAAGGATGTC
TTCAGGGACATGCACCAGGTCTGAAGGATGTAGGAGCAAAGGTGACTGGCTTCAGTGAAGGTGTGGTG
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AAGCCCAGAGAGATTGCCTCACTCATTCCGAACAAATTTGGCAGTGCAGACAACATCCCCAACCTGAAG
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AGCCCCAAATATGGTAGTGAAGAAGATTGTTCTAGTGCCACTTCAGGCTCAGTGGGAGCCAACAGCACC
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GATGCACTACTACATGAGATCCAGGAGATCCGGGAAACCCAGGCCAGACTAGAGGAATCCTTTGAGACT
CTCAAGGAACATTATCAGAGGGACTATTCCTTAATAATGCAGACCTACAGGAGGAGCGATATAGATGT
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GAATGGCAAGCATGGAAGAAAAATCGCGTATCAGTCCATGAACGGGCCCGGGACATCCAGGAGGCC
CTGGAGGCATGCCAGACGCGCATCTCCAAGATGGAGCTGCAGCAGCAGCAGCAGCAGGTTGGTGCAGCTA
GAAGGGCTGGAGAATGCCACTGCCCGAACCTTCTGGGAAACTCATCAACATCCTCCTGGCTGTATG
GCAGTCTTTTGGTCTTTGTCTCCACTGTAGCCAACTGTGTGGTCCCCCTCATGAAGACTCGCAACAGG
ACGTTTCAGCACTTTATTCCTTGTGGTTTTTATTGCCTTCTCTGGAAGCACTGGGACGCCCTCTTCAGC
TATGTGGAACGGTTCTTTTCATCCCTAGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001128224

Insert Size: 1620 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001128224.2</u>
RefSeq Size:	5496 bp
RefSeq ORF:	1620 bp
Locus ID:	23023
UniProt ID:	<u>O94876</u>
Cytogenetics:	3q22.1
Protein Families:	Transmembrane
MW:	59.4 kDa
Gene Summary:	Endoplasmic reticulum membrane protein that promotes endoplasmic reticulum-associated endosome fission (PubMed:30220460). Localizes to contact sites between the endoplasmic reticulum and endosomes and acts by promoting recruitment of the endoplasmic reticulum to endosome tubules for fission (PubMed:30220460). Endosome membrane fission of early and late endosomes is essential to separate regions destined for lysosomal degradation from carriers to be recycled to the plasma membrane (PubMed:30220460).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3), as well as variants 10 and 11, encodes isoform c. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.