

Product datasheet for **SC333442**

TMEM159 (NM_001301773) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM159 (NM_001301773) Human Untagged Clone
Tag: Tag Free
Symbol: TMEM159
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC333442 representing NM_001301773.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

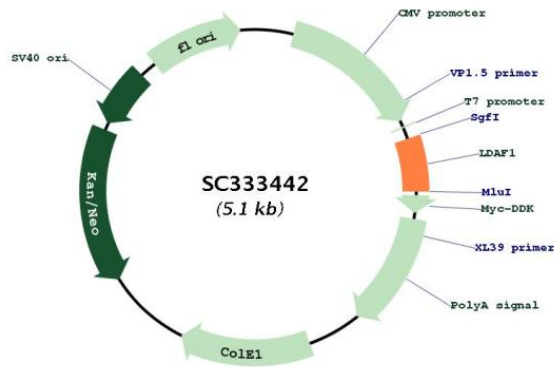
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCAAAGAGGAGCCCAGAGTATCTCAAGGACTTGCAGGAAGCTGCAGAAGAAGCTGTCTCTGCTG
ATAGACTCCTTCCAGAATAACTCAAAGGTGGTGGCCTTTATGAAGTCTCCAGTGGGTCACTACTGGAC
AGCCATCCGTTTCTGGCCTTACCTTGTGGTGTTCATTGTCATGTCGGCCGTTCTCTGTTGGATTCTTC
CTGCTCATCGTGGTGCTTACCACCCTGGCTGCTGCTGGGGTGCATAATATTGGAAGGCCACTGA
ACGGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: NM_001301773

Insert Size: 273 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:	NM_001301773.1
RefSeq Size:	2009 bp
RefSeq ORF:	273 bp
Locus ID:	57146
UniProt ID:	Q96B96
Cytogenetics:	16p12.3
Protein Families:	Transmembrane
MW:	9.9 kDa
Gene Summary:	<p>Plays an important role in the formation of lipid droplets (LD) which are storage organelles at the center of lipid and energy homeostasis (PubMed:31708432). In association with BSCL2/seipin, defines the sites of LD formation in the endoplasmic reticulum (PubMed:31708432).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) uses an alternate splice site in the 5' UTR and lacks multiple exons in the coding region, one of which results in a translational frameshift, compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1. Variants 5 and 6 encode the same isoform (3).</p>