

Product datasheet for RC235548

TMEM159 (NM 001301773) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TMEM159 (NM_001301773) Human Tagged ORF Clone

Tag: Myc-DDK
Symbol: TMEM159

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >RC235548 representing NM_001301773
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCAAAAGAGGAGCCCCAGAGTATCTCAAGGGACTTGCAGGAACTGCAGAAGAAGCTGTCTCTGCTGA TAGACTCCTTCCAGAATAACTCAAAGGTGGTGGCCTTTATGAAGTCTCCAGTGGGTCAGTACTTGGACAG CCATCCGTTTCTGGCCTTCACCTTGCTGGTGTTCATTGTCATGTCGGCCGTTCCTGTTGGATTCTTCCTG

 ${\tt CTCATCGTGGTGCTTACCACCCTGGCTGCTCTGCTGGGGGTCATAATATTGGAAGGCCAC}$

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235548 representing NM_001301773

Red=Cloning site Green=Tags(s)

MAKEEPQSISRDLQELQKKLSLLIDSFQNNSKVVAFMKSPVGQYLDSHPFLAFTLLVFIVMSAVPVGFFL

LIVVLTTLAALLGVIILEGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

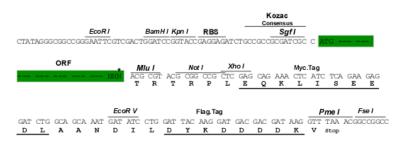
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



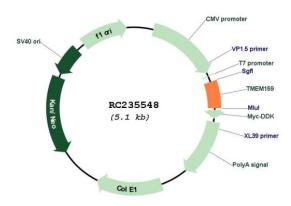
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001301773

ORF Size: 270 bp



TMEM159 (NM_001301773) Human Tagged ORF Clone - RC235548

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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.

10.4 kDa

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 001301773.2</u>

 RefSeq Size:
 2009 bp

 RefSeq ORF:
 273 bp

 Locus ID:
 57146

 UniProt ID:
 Q96B96

Cytogenetics: 16p12.3

MW:

Protein Families: Transmembrane

Gene Summary: 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]