

Product datasheet for RC236375

TMEM159 (NM_001301775) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM159 (NM_001301775) 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 Sequence: >RC236375 representing NM_001301775
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAAAGAGGAGCCCCAGAGTATCTCAAGGGACTTGCAGGAAGCTGTCTCTGCTGA
TAGACTCCTTCCAGAATAACTCAAAGTCGCCCAACACAGCAGGATCTCACTGGACTCTGATGGAGT
GTCCAGGCTGGCAGTGGCTGGCTCCAAGTGGTGGCCTTATGAAGTCTCCAGTGGTCACTACTGGAC
AGCCATCCGTTTCTGGCCTTACCTTGTGGTGTTCATTGTCATGTCGGCCGTTCCCTGTTGGATTCTTC
TGCTCATCGTGGTGTACCACCCTGGCTGCTCTGCTGGGGTCAATAATTGGAAGGATTGGTCACTCTC
TGTGGTGGCTTCTCACTGCTCTGCATCCTCTGTGGTTTGGCTTCGTATCACTCGCCATGTCGGGGATG
ATGATAGCATCTTATGTAGTGGTCTCCAGCCTCATCAGCTGCTGGTTTTCTCCAGGCCACTGACACAGC
AAAACACCAGTTGTGACTTTCTGCCAGCCATGAAGTCTGCAGAATTCGAGGGGCTTACCAGGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236375 representing NM_001301775
Red=Cloning site Green=Tags(s)

MAKEEPQSI SRDLQELQKKLSLLIDSFQNNKLPQHSRISLSDDDGVSRLGSAGSKVVFAMKSPVGQYLD
SHPFLAFTLLVIVMSAVPVGFLLIVLTTLAALLGVIILEGLVISVGGFSLLCILCGLGFVSLAMSGM
MIASYVVVSSLISCWFSPRPLTQQNTSCDFLPAMKSAEFEGLYQE

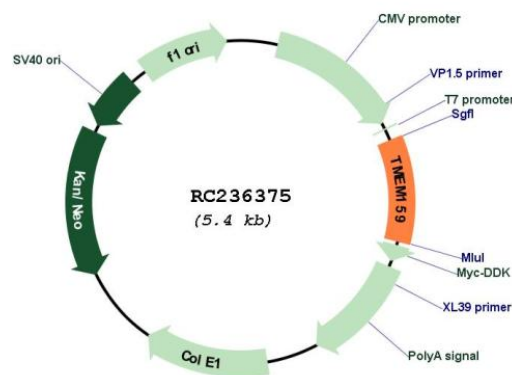
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:

Plasmid Map:


ACCN: NM_001301775

ORF Size: 555 bp

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:	<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:	<u>NM_001301775.2</u>
RefSeq Size:	2113 bp
RefSeq ORF:	558 bp
Locus ID:	57146
UniProt ID:	<u>Q96B96</u>
Cytogenetics:	16p12.3
Protein Families:	Transmembrane
MW:	20.4 kDa
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]