

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAAGAGGAGCCCCAGAGTATCTCAAGGGACTTGCAGGAAGCTGCAGAAGAAGCTGTCTCTGCTGA
TAGACTCCTTCCAGAATAACTCAAAGGTGGTGGCCTTTATGAAGTCTCCAGTGGGTCAGTACTTGGACAG
CCATCCGTTTCTGGCCTCACCTTGCTGGTGTTCATTGTTCATGTCGGCCGTTCTGTGGATTCTTCCTG
CTCATCGTGGTGCTTACCACCCTGGCTGCTCTGCTGGGGTCATAATATTGGAAGGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235548 representing NM_001301773
Red=Cloning site Green=Tags(s)
MAKEEPQISRDQLQELQKLSLLIDSFQNSKVVAFMKSPVGQYLDSPFLAFTLLVFIVMSAVPVGFFL
LIVVLTTLAALLGVIIILEGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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:	NM_001301773.2
RefSeq Size:	2009 bp
RefSeq ORF:	273 bp
Locus ID:	57146
UniProt ID:	Q96B96
Cytogenetics:	16p12.3
Protein Families:	Transmembrane
MW:	10.4 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]