OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC113584

TMEM39A (NM_018266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TMEM39A
Synonyms:	SUSR2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018266, the custom clone sequence may differ by one or more nucleotides

ATGCCCGGTGGAAGGAGGGGCCCTAGTCGGCAACAGCTAAGCCGTTCAGCTTTACCTTCTTTGCAGACTT
TGGTTGGTGGAGGCTGTGGCAATGGAACAGGCTTGAGAAACAGGAATGGTAGTGCTATTGGCCTTCCAGT
CCCACCTATCACAGCCTTAATCACCCCAGGTCCTGTTCGTCATTGCCAAATTCCTGACTTGCCTGTGGAT
GGGAGCCTACTCTTTGAATTCCTTTTTTTCATCTACCTGTTGGTTGCTCTTTTCATTCAGTACATCAACA
TTTATAAAACAGTGTGGTGGTATCCTTACAATCATCCTGCTTCTTGTACATCACTGAATTTTCATCTCAT
TGATTATCATCTGGCAGCATTCATCACAGTGATGCTTGCGAGGAGGCTTGTATGGGCTCTCATCTCAGAG
GCTACTAAGGCAGGTGCAGCATCAATGATTCACTACATGGTTCTGATATCAGCTCGCTTGGTACTACTCA
CTTTGTGTGGATGGGTACTTTGTTGGACCCTCGTCAATCTCTTTCGAAGCCATTCAGTCCTCAATCTCCT
TTTCCTTGGCTACCCGTTTGGTGTTTATGTTCCTCTTTGCTGTTTTCATCAAGATAGTAGAGCACATCTT
CTTCTCACAGACTACAACTATGTGGTTCAGCACGAGGCAGTAGAGGAAAGTGCCTCGACTGTGGGAGGCT
TGGCCAAATCCAAAGACTTTCTCTCCTTGTTGCTGGAGTCGCTAAAAGAACAGTTTAATAATGCCACACC
CATCCCCACCCACAGTTGTCCCCTATCTCCAGACCTCATTCGCAATGAAGTAGAATGTCTGAAAGCAGAT
TTCAACCACAGAATCAAGGAGGTTCTCTTCAACTCCCTCTTCAGTGCCTACTATGTTGCATTTCTCCCCC
TGTGTTTTGTGAAGAGTACCCAGTACTATGACATGCGCTGGTCATGTGAGCACCTCATTATGGTGTGGAT
CAATGCTTTTGTCATGCTCACCACGCAACTGTTGCCATCCAAATACTGTGATTTGCTACATAAATCAGCT
GCTCACCTGGGCAAGTGGCAGAAGTTGGAACATGGGTCCTACAGCAATGCTCCACAGCACATTTGGTCAG
AAAATACAATATGGCCTCAAGGGGTGCTGGTGCGGCACAGCAGATGTTTATATAGAGCCATGGGGCCTTA
CAACGTGGCAGTGCCTTCAGATGTATCTCATGCCCGCTTTTATTTCTTATTTCATCGACCATTAAGGCTG
TTAAATCTGCTCATCCTTATTGAGGGCAGTGTCGTCTTCTATCAGCTCTATTCCTTGCTGCGGTCGGAGA
AGTGGAACCACACACTTTCCATGGCTCTCATCCTCTTCTGCAACTACTATGTTTTATTTAAACTTCTCCG
GGACAGAATAGTATTAGGCAGGGCATACTCCTACCCACTCAACAGTTATGAACTCAAGGCAAACTAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018266 unedited
AATTTGTAATACGACTCACTTATAGGGCGGCCGCGAATTCGCACCCAGCTGAATATCAGG
CTCTGGCTCTAGCTTTAGCTCTGGCACTGGAACTGCGTCGGAGTCTGGGTCTGAGTCTGG
CAGCCCGAAGCCTGGACACCTTTTCTTGATTCTCTAGGCGGGGGCTGCCTGCGTCCAAGC
AGCTGGTTTGCAGCGTTCCAACGCTGGGAGGGAGTTCCCTTACCTGGGGTCCAGTCTGTA
AAGTTGTCGCCGCTTTCTAGGGACCCCGCCCCACCGGCTGGGACTCTTCCATGCAGTTGA
AACTGGTTGACAACCATTAACCTGGGTTGCAACTACAGGTGGCACTGGAAGCAGACTGGT
TCCTGGACATGCCCGGTGGAAGGAGGGGCCCTAGTCGGCAACAGCTAAGCCGTTCAGCTT
TACCTTCTTTGCAGACTTTGGTTGGTGGAGGCTGTGGCAATGGAACAGGCTTGAGAAACA
GGAATGGTAGTGCTATTGGCCTTCCAGTCCCACCTATCACAGCCTTAATCACCCCAGGTC
CTGTTCGTCATTGCCAAATTCCTGACTTGCCTGTGGATGGGAGCCTACTCTTTGAATTCC
TTTTTTTCATCTACCTGTTGGTTGCTCTTTTCATTCAGTACATCAACATTTATAAAACAG
TGTGGTGGTATCCTTACAATCATCCTGCTTCTTGTACATCACTGAATTTTCATCTCATTG
ATTATCATCTGGCAGCATTCATCACAGTGATGCTTGCGAGGAGGCTTGTATGGGCTCTCA
TCTCAGAGGCTACTAAGGCAGGTGCAGCATCAATGATTCACTACATGGNNTCTGATATCA
GCTCGCTTGGTACTACTCACTTTGTGTGGATGGGTACTTTGNTGGACCCTCGTCAATCTC
TTTCGAAGCCATTCAGTNCTCAATCTCNCTTTCCTTGGCTACCCGTTGGNNGNTNNATGT
CCCTCTTGCTGGNTTCATCAAAATAGANAACACATCCTCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018266 unedited
CCATTTATATCCCTTACTCTTCCCGACTTTCAAAACATAATAGTATACAAAATATAAAAT
ATCTTAAATATTTATAAAAATCACCAAGAAAAAAAATAGAACGTATGAAAATATTTTTATC
TGAGTTCTCCCTCATTGTTGAGAGGCAGCTTAGTTTGCCTTGAGTTCATAACTGTTGAGT
GGGTAGGAGTATGCCCTGCCTAATACTATTCTGTCCCGGAGAAGTTTAAATAAAACATAG
TAGTTGCAGAAGAGGATGAGAGCCATGGAAAGTGTGTGGTTCCACTTCTCCGACCGCAGC
AAGGAATAGAGCTGATAGAAGACGACACTGCCCTCAATAAGGATGAGCAGATTTAACAGC
CTTAATGGTCGATGAAATAAGAAATAAAAGCGGGCATGAGATACATCTGAAGGCACTGCC
ACGTTGTAAGGCCCCATGGCTCTATATAAACATCTGCTGTGCCGCACCAGCACCCCTTGA
GGCCATATTGTATTTTCTGACCAACTAAGGGAGAAAGAAATGCAATGTTAGCATATTGGC
AATTACAGATAAGATAGCATCTGGCAAGGCCAGCTGTATTTTATGGAAGGAATTAAATAT
CAAGCTTCATCTGCCTGAATTCTGAAATACAGTANTTCCATGGTCANACTGGAGTAGTTT
TAGAAAGGGATTGTTACTTAACTTCATTGCTATATAGTNAACAGAGGNTGCCAAGAATAT
AGTTAACTCAGTGTCAAAGGACCTTAGAGGCTTANNAGAATGAGCAGACATAAATGTGTA
AGCCCAGAAACAGTGTGTAAGCAGGGTGACTGTCATCTCCATCCCAGTGAGCANAGTCTA
CTGGTGGAAATGCTANAGGGACCAACANNAGAAAAGCTGATGTAATAAGATTATGAGAAA
TTACCCATTGCCATTTAGCTGACATTACTGCGAATTACTCCAAAAACTATGGGAATCAGT
TGCTATNCACATTTCAATACCTCCACTGNAGAAGATTCAGTGAACCAGCTCA

Restriction Sites: NotI-NotI

ACCN: NM_018266

Insert Size: 4530 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_018266.1, NP_060736.1
RefSeq Size:	2957 bp
RefSeq ORF:	1467 bp
Locus ID:	55254
UniProt ID:	Q9NV64
Cytogenetics:	3q13.33
Protein Families:	Transmembrane
Gene Summary:	Regulates autophagy by controlling the spatial distribution and levels of the intracellular phosphatidylinositol 4-phosphate (PtdIns(4)P) pools (PubMed:31806350). Modulates (PtdIns(4)P) levels by regulating the ER-to-Golgi trafficking of the phosphatidylinositide phosphatase SACM1L (PubMed:31806350).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the shorter transcript and encodes the functional protein. 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.