

Product datasheet for **MC201652**

Tmem39a (NM_026407) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Tmem39a
Synonyms:	2610033C09Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >BC020318 sequence for NM_026407
 GGGCGATGGAGGCTGAGGATGATGAGTCTTGGTGATGGGGTCGGACTGTGCTTCTGACTTTAGCTCTGGC
 TCTGGCAGGACTCCCGGTCTGGGTCTGGTAACCTAGCGACCCGAGAGCTTTCTCGACTGTCCAGTGGG
 ATCCTGCCTGCGTCCCGGCAGCTGTTTTTGGAGCGCTTTAGAGGAGGGAGTGAGTTTGGGTGCCCGGGGT
 CGCGGCTGTGAAGCCGCCCTCTCCAGGGATCCCTCTCCGTGGCCAGCCTGTCCATGCATTGAAA
 TAAGTTGACAGTCATCAGCCTGGGTGGCAACTTCAGGTGGCACTGGAAATTACCTGGTTCCTGGACATGC
 CCAGTAGAAGGCGGGTCCAGTCGGCAGCAGTAAGCCGGTCAGCTTTACCTCCATACAGACGTTGGT
 CGGCGGCGGCTGTGGCAATGGGACGGGCTTGAGGAACAGGAATGGTAATGCTATTGGCCTTCCAGTCCCA
 CCCACCACAGCCTTAATTACCCAGGTCTGTTCTGTCATTGCCAAATCCCTGACTTACCAGTAGATGGGA
 GCCTGTTCTTTGAATTTCTTTCTTCATCTACCTGCTGATTGTTCTGTTCACTCAGTATATCAACATCTA
 TAAGACGGTGTGGTGGTATCCGTACAATCATCTGCTTCTTGACTTCACTGAATTTTACCTCATTGAT
 TATTACCTGGCAGCATTATCAGCATGATGCTTGGAGGAGGCTTGTATGGGCCCTCATTTCCGAGGCTA
 CTAAAGCAGGTGCTGCGTCTACGGTTCACACAGCTCTGATCCTGGCCCGCTTGGTGCTCCTTACTCT
 GTGTGGATGGGTGCTCTGCTGGACCCTGGTCAATCTTTCCGAAGCCATTAGTCTCAATCTCTGTTT
 CTGGCTATCCGTTTGGTGTATGTTCTCTCTACTGTTTCCACCAAGATAGCAGAGCCCATCTTCTTC
 TCACAGACTATGTGGTTCAGCACCAGGCAGTAGAGGAGGCGGCTTCAAATGTGGGCAGTTTGGCCAGATC
 CAAAGATTTCTCTCTTACTGCTGGAGTCTCTAAAAGAACAGTTTAATATGCCACGCCCATCCCCACC
 CACAGCTGCCCCCTATCTCCTGATCTCATTGCAATGAAGTAGAATGTCTGAAAGCAGATTTCAACCACA
 GAATCAAGGAAGTTCTCTTCAACTCCCTCTCAGTGCTTACGTTGCATTTCTCCGCTGTGTTTTGT
 GAAGAGTACCCAGTATTACGACATGCGCTGGTCTGTGAGCACCTCATTATGGTGTGGATCAATGCTTTT
 GTCATGCTCACCACGCAACTGCTGCCATCCAAATACTGTGACTTGCTACACAAATCAGCTGCTCACCTGG
 GCAAGTGGCAGAAGTTGGAGCATGGGTCTACAGCAATGCTCCACAGCACATTTGGTCAGAAAACACAAT
 ATGGCCTCAAGGGGTGTTGGTGGCAGCAGATGTTTATATCGCCATGGGACCTTACAATGTAGCA
 GTGCCTTCAGATGTATCCCATGCCCGCTTTTATTTCTGTTTACCAGCCATTACGAGTGCTGAACCTGC
 TTATCCTCATTGAAGGCAGTGTGCTTCTACCAGCTGATTCTTCTGCTGCGGTGCGAGAAGTGGAACCA
 CACGCTCTCCATGGCCCTCATCTTTTCTGCAACTACTATGTTTTATTTAAGCTCTCCGGGACAGAATA
 GTCTTAGGCAGGCATACTCTACCCCTCAACAGTTACGAACTCAAGGCCAACTAAGCTGTCTCTCAAC
 AGGAGGGAGAATTGAGATAAAATATTTTATACGATCTATTTTTCTTGGATTTTTATAAATATTTAA
 GATATTTTATATTTGTATACTATTATGTTTTGAAAGTTGGGAAGGTAAGGGATATTAATGTATCCAT
 AAACAAGATGATGTTATCTTTCATGTGTTAGTATACTGAATATTATACATGAGAGTTGCCCTTCAGT
 AAAAGATTGACTTGTTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_026407

Insert Size: 1461 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:	<u>BC020318</u> , <u>AAH20318</u>
RefSeq Size:	2065 bp
RefSeq ORF:	1461 bp
Locus ID:	67846
UniProt ID:	<u>Q9CYC3</u>
Cytogenetics:	16 B4
Gene Summary:	Regulates autophagy by controlling the spatial distribution and levels of the intracellular phosphatidylinositol 4-phosphate (PtdIns(4)P) pools (By similarity). Modulates (PtdIns(4)P) levels by regulating the ER-to-Golgi trafficking of the phosphatidylinositide phosphatase SACM1L (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) and variant 2 encode the same isoform (1).