

Product datasheet for **MC227946**

Tmem39a (NM_001205286) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem39a (NM_001205286) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem39a
Synonyms:	2610033C09Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227946 representing NM_001205286
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAGTAGAAGGCGGGTCCCAGTCGGCAGCAGCTAAGCCGGTCAGCTTTACCTTCCATACAGACGT
TGGTCGGCGCGGCTGTGGCAATGGGACGGCTTGAGGAACAGGAATGGTAATGCTATTGGCCTTCCAGT
CCCACCCACCACAGCCTTAATTACCCAGGTCCTGTTTCGTCATTGCCAAATCCCTGACTTACCAGTAGAT
GGGAGCCTGTTCTTTGAATTTCTTTTCTTCATCTACCTGCTGATTGTTCTGTTTATTAGTATATCAACA
TCTATAAGACGGTGTGGTGGTATCCGTACAATCATCTGCTTCTGTACTTCACTGAATTTTACCTCAT
TGATTATTACCTGGCAGCATTATCACAGTGATGCTTGCAGGAGGCTTGTATGGGCCCTCATTTCCGAG
GCTACTAAAGCAGGTGCTGCGTCTACGGTTCACACAGCTCTGATCCTGGCCCGCTTGGTGCTCCTTA
CTCTGTGTGGATGGGTGCTCTGCTGGACCCTGGTCAATCTTTCCGAAGCCATTCAGTCTCAATCTCT
GTTCTTGGCTATCCGTTTGGTGTATGTTTCTCTACTGTTTCCACCAAGATAGCAGAGCCCATCTT
CTTCTCACAGACTATGTGGTTCAGCACCAGGCAGTAGAGGAGGGCGCTTCAAATGTGGGCAGTTTGGCCA
GATCCAAAGATTTCTCTCTTACTGCTGGAGTCTCTAAAAGAACAGTTTAAATAGCCACGCCCATCCC
CACCCACAGCTGCCCCCTATCTCTGATCTCATTGCAATGAAGTAGAATGTCTGAAAGCAGATTTCAAC
CACAGAATCAAGGAAGTTCTCTCAACTCCCTCTTCACTGCTACTACGTTGCAATTTCTCCCGCTGTGT
TTGTGAAGAGTACCCAGTATTACGACATGCGCTGGTGTGAGCACCTCATTATGGTGTGGATCAATGC
TTTTGTGATGCTACACGCAACTGCTGCCATCCAAATACTGTGACTTGTACACAAATCAGTGTCTCAC
CTGGGCAAGTGGCAGAAGTTGGAGCATGGTCTACAGCAATGCTCCACAGCACATTTGGTCAGAAAACA
CAATATGGCCTCAAGGGGTGTTGGTGGCAGCAGCAGATGTTTATATCGAGCCATGGGACCTTACAATGT
AGCAGTGCCTTCAGATGTATCCCATGCCGCTTTTATTTCTGTTTACCAGCCATTACGAGTGTGAAC
CTGCTTATCTCATTGAAGGCAGTGTGCTTCTACCAGCTGATTCTTCTGCTGCGGTGCGAGAAGTGGA
ACCACAGCTCTCCATGGCCCTCATCTTTTCTGCAACTACTATGTTTTATTTAAGCTCCTCCGGGACAG
AATAGTCTTAGGCAGGCATACTCTACCCCTCAACAGTTACGAACTCAAGGCCAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001205286

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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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.

RefSeq: [NM_001205286.1](#), [NP_001192215.1](#)

RefSeq Size: 2617 bp

RefSeq ORF: 1461 bp

Locus ID: 67846

UniProt ID: [Q9CYC3](#)

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 (2) has an alternate 5' UTR exon, compared to variant 1. Variants 1 and 2 encode the same isoform (1).