

Product datasheet for MR229804

Tmem39a (NM_001205287) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem39a (NM_001205287) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem39a
Synonyms: 2610033C09Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR229804 representing NM_001205287
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAGTAGAAGGCGGGTCCCAGTCGGCAGCAGCTAAGCCGGTCAGCTTTACCTTCCATACAGACGT
 TGGTCGGCGGGCTGTGGCAATGGGACGGCTTGAGGAACAGGAATGGTAAATGCTATTGGCCTTCCAGT
 CCCACCCACCACAGCCTTAATTACCCAGGTCCTGTTCTGTCATTGCCAAATCCCTGACTTACCAGTAGAT
 GGGAGCCTGTTCTTTGAATTTCTTTCTCATCTACCTGCTGATTGTTCTGTTTCATTAGTATATCAACA
 TCTATAAGACGGTGGTGGTATCCGTACAATCATCCTGCTTCTGTACTTCACTGAATTTTACCTCAT
 TGATTATTACCTGGCAGCATTATCACAGTGATGCTTGGCAGGAGGCTTGTATGGCCCTCATTTCCGAG
 GCTACTAAAGCAGGTGCTGCGTCTACGGTTCACTACACAGCTCTGATCCTGGCCCGCTTGGTGTCTCTTA
 CTCTGTGTGGATGGGTGCTCTGCTGGACCTGGTCAATCTTTCCGAAGCCATTAGTCTCAATCTCTCT
 GTTCTTGGCTATCCCTGCCCTATCTCTGATCTCATTGCAATGAAGTAGAATGTCTGAAAGCAGAT
 TTCAACCACAGAATCAAGGAAGTTCTCTCAACTCCCTTTCAGTGCCTACTACGTTGCATTTCTCCCGC
 TGTGTTTTGTGAAGAGTACCCAGTATTACGACATGCGTGGTGGTGTGAGCACCTCATTATGGTGTGGAT
 CAATGCTTTTGTGATGCTCACCACGCAACTGCTGCCATCCAAATACTGTGACTTGTACACAAATCAGCT
 GCTCACCTGGCAAGTGGCAGAAGTTGGAGCATGGGTTCTACAGCAATGCCACAGCATTGGTTCAG
 AAAACACAATATGGCCTCAAGGGGTGTTGGTGGCAGCAGCAGATGTTTATATCGAGCCATGGGACCTTA
 CAATGTAGCAGTGCCTTCAAGTGTATCCATGCCCGCTTTTATTTCTGTTTACCAGCCATTACGAGTG
 CTGAACCTGCTTATCCTCATTGAAGGCAGTGTGCTTCTACCAGCTGATTCTTGTGCTGCGGTGGGAGA
 AGTGGAACCACACGCTCTCCATGGCCCTCATCCTTTTCTGCAACTACTATGTTTTATTTAAGCTCCTCCG
 GGACAGAATAGTCTTAGGCAGGGCATACTCTACCCCTCAACAGTTACGAACTCAAGGCCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >MR229804 representing NM_001205287
 Red=Cloning site Green=Tags(s)

MPSRRRGPSRQQLSRSALPSIQTLVGGGCGNGTGLRNRNGNAIGLPVPPPTTALITPGPVRHCQIPDLPVD
 GSLFFEFLLFFIYLLIVLFIQYINIYKTVWWYPYNHPASCTSLNFHLIDYLAAFITVMLARRLVWALISE
 ATKAGAASTVHYTALILARLVLLTCGWVLCWTLVNLFRSHSVLNLFLGYPCPLSPDLIRNEVECLKAD
 FNHRIKEVLFNSLFSAYYVAFLPLCFVKSTQYYDMRWSCHELMVWVINAFAVMLTTQLLPSKYCDLLHKSA
 AHLGKWQKLEHGFYSNAPQHIWSENTIWPQGVLRHSRCLYRAMGPYNVAVPSDVSHARFYFLFHRPLRV
 LNLILLIEGSVVFYQLYSLLRSEKWNHTLSMALILFCNYYVLFKLLRDRIVLGRAYSYPNLSYELKAN

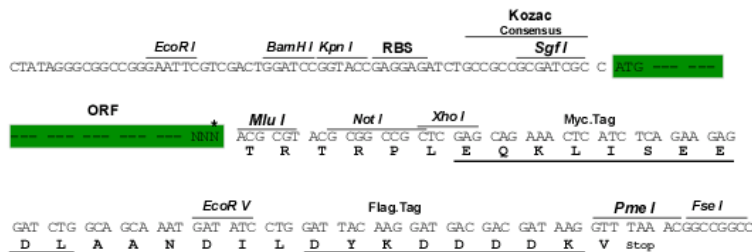
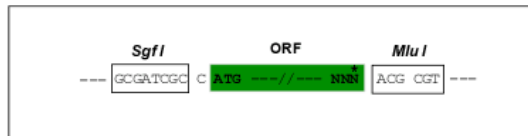
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001205287

ORF Size: 1254 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:

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_001205287.1](#), [NP_001192216.1](#)

RefSeq Size: 2665 bp

RefSeq ORF: 1257 bp

Locus ID: 67846

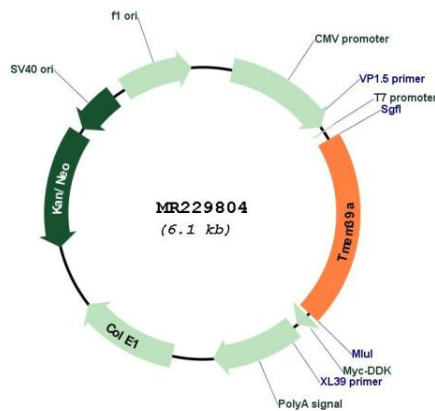
UniProt ID: [Q9CYC3](#)

Cytogenetics: 16 B4

MW: 48.6 kDa

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]

Product images:



Circular map for MR229804