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 MR205011

Tmem59l (NM_182991) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem59l (NM_182991) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem59l
Synonyms:	5330410G16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR205011 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCGGTAGCATTGCCGCTGCTGCTGTTGTTGGCGTCATTGGTCACCCCAACCCCAGCGCGTGACC
CCTTCGCTCCGCAGCTCGGGGACACTCAGAGGTGCCAGCAGCGGTGTCGCCAGCACCACCCTGGCTCGCC
TCCTGCGCAGCCTGAGCCAGAGGGTCCCTCAGAGTCCCCGAATAACAAGGCTATCCTGATCAGTGCTTGT
GAGCGTGGCTGTCGGCTTTTCTCCATCTGCCGCTTTGTGGCCAAGAGCTCTAGGCCCAATGCCACAGAGA
CAGAATGTGAAGCAGCCTGCACAGAAGCTTACGTGAAGGCAGCGGAGCAACGGGCCTGCAGTGAGGGGTG
CTGGGGCCAGATCCCTGAACCTGAGACCCAGCTGGAGCAGAAGGACTTGGCTTTGGACCCGCCCAGGGGG
CGCCTCTCCCTTCGGTACCTGTTTTCCATGCTCTGTAGCGACCTGATGAGTTCTGCCCAGGGCTTTCTAT
CCTCCTCCTGGACATATTCCCTTCAGACAGACAACCGGAAAGTGGTGGTGTTCCAGACTCAGCCTGTAGC
AGAGAACTTTGCATTCCAAGGGAGCCATCTGCAGCGAGTGGAGGTGACCTGGAGGAGGTCCCACCCCAAG
GCCCTAGAACTGCACATGGACCCTGTAGGCCCCTTGGACAAAGTGAGGAAGGCTAAGCCCCGAGTGAAGA
CCAGCAAAGCCAAGGTAGAGTCTGAGGACCAACAAGAGAGTGACTTCCTCAGTTGCATGTCCCGGCGCTC
CGGGCTGCCTCGATGGGTCCTATTCTGCTGTCTCTTCCTGTCCATCCTGATCATGCTCTGGCTGAGTTGC
TGCACTCTGGTCACCACACCAGGCCAGCACCTCAAGTTCCAGCCTCTAACTGCAGAACAGCACAAGGGCC
TCTTGGTGGAGTCTGACTGGCCCTTATACCCACCCCTGCCGCCGCCTGCCTATGAGGACAGCACACCTCC
TTACAAGTTGAAGCTTGATTTGACCACGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

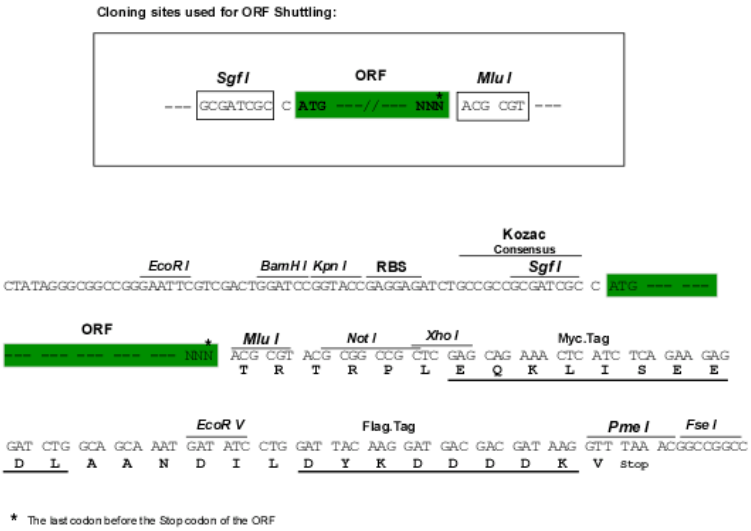
>MR205011 protein sequence
Red=Cloning site Green=Tags(s)

MAAVALPLLLLLASLVTPTPARDPFAPQLGDTQRCQQRCRQHHPGSPPAQPEPEGPSESPNNKAILISAC
ERGCRLFSICRFVAKSSRPNATETECEAACTEAYVKAAEQRACSEGCWGQIPEPETQLEQKDLALDPPRG
RLSLRYLFSMLCSDLMSSAQGFLSSSWTYSLQTDNRKVVVFQTQPVAENFAFQGSHLQRVEVTWRRSHPK
ALELHMDPVGPLDKVRKAKPRVKTSKAKVESEDQQESDFLSCMSRRSGLPRWVLFCCLFLSILIMLWLSC
CTLVTTPGQHLKFQPLTAEQHKGLLVESDWPLYPPLPPPAYEDSTPPYKLKLDLTTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182991

ORF Size: 1014 bp

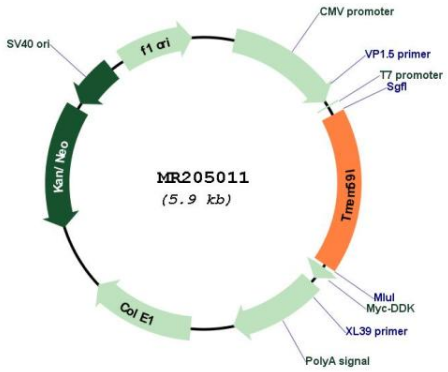
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_182991.1
RefSeq Size:	1491 bp
RefSeq ORF:	1014 bp
Locus ID:	67937
UniProt ID:	Q7TNI2
Cytogenetics:	8 B3.3
MW:	37.7 kDa
Gene Summary:	Modulates the O-glycosylation and complex N-glycosylation steps occurring during the Golgi maturation of APP. Inhibits APP transport to the cell surface and further shedding (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205011