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 MC203615

Mgme1 (NM_028984) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mgme1 (NM_028984) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mgme1
Synonyms:	8430406I07Rik; AI426476
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC063088
GGGATGGCGCCTCACAGGTGCGACGGGAACGCCGTAGTGCATGCTGGGGCCGCCTCGCTTTGGGAAAGCG
CGGGACCGATGAAAATACGAACAGAACACACTTTTAAACTTTCCAGACTAGAGAAAAGTTAGAGGGGCGA
AGTCTAAAAATGAAACTGCCTCTGACCTTCTGCAGGCTGCTTAGCAGGTTAAACAGATTTTCTGTAAAAG
CAAGCCCTCCTGTGAGTTTCTCCACTTTCTCTTATTTGTGTAGCCAGAAGAAGAAAAACTCTTACGAAGC
AGTAGACCAAGCGAAGTACTCTCGTTTAGTACGCTCTGTCTTGTCCAGAGGCCCGGCCCAGACTCCAGAG
TCGTTGTTCAAGGAAGATGATGTACTGTATGGACCAGTGAGTAAGCATAAGGCTGCAGAGCCGGAGCCAC
AGGCCAGAGTCCCACAACACTGCTTTCCTATCTTCAATGAAGAGAGAACCGGGAAACCACACACAGATGC
TTCTTCAAGCCCTTTGAAGATCCCTTTGCAAAGGAACTCGATACCCAGTGTGACCCGCATCCTTCAGCAG
ACCATGCCACCTGAACAGAGCTTCTTTTTGGAGAGGTGGAAAGAGCGGATGGTTCTGGAGCTGGGAGAAG
ACGGGTTTGCAGAATATACTTCAAATGTGTTTTTACAAGGCAAACAGTTCCATAAAGCCTTGGAAAGCAT
ACTGTCACCCCAGGAGAACCTAACAGGGGGAGAAGAGCACCCCCAGTGTGGCTACATCGAAAGCATCCAG
CATATTCTGACAGAAATCAGTGGTGTGCAAGCTCTGGAGAGTGCCGTCCAGCATGAGGCCTTGAAGTATG
TAGGGCTGCTGGACTGTGTGGCTGAGTACCGGGGCAAGCTGTGTGTGATTGATTGGAAGACATCAGAAAA
ACCAAAACCTTTAATTCGAAATACATATGACAACCCGCTGCAAGTTGTGGCGTACATGGGTGCCGTAAAC
CATGATGCCCACTACAGTTTTCAGGTTCAGTGTGGATTAATTGTGGTGGCCTATAAGGATGGGTCCCCTG
CGCACCCTCACTTCATGGATGAAGAGCTCTGTTCCAAGTATTGGGCCAAGTGGCTTCTCCGACTAGAAGA
ATATACAGAAAAGCAAAAGAACCTGAGCGCTCCAGAGCCAGCGTAGAGGCCCGGGATTGCTTGGCGATGC
TGCGCGGCGATCTCTGTTTGGGAGATGCACTGCTGTCCACTGAGTTTCTAAAGAGGAATGCGGGGAACTG
AGGGCTACATTAACACAAGCTGAAGGTGTGGTGGGTTGGGATGTACCCACCGAGAAGCCAGAGAGTCTGG
AGGTCAGCGCCTGACTCACCAGCTGCACGACCTCTGGCTGTTTCTCACCTGAGAGGAGGACACTGGGATT
GGCAGCTGCCCAGGGACTTCTGGGCTCCCTTGCAAACCTCTGTGTCCCTGGCAGGATGCCCAGTCTTTGA
ATTGAGATCAGAAGGCCAAATGAAGCATCATGTGCCACACATGTCCCTAGAGTTCTCAGGGATGGGAGGG
GCCCTGCACCCTCAGGGTATACAGAGAGAGAGAGAGTGAGCAAGCAAGCACGTAGGCATCGCCACCACAG
TTTCCTAGAAGGTGTTTTATACACTCTGTGTCATTAGGAAAAACTTATTTCAGCCTAAGGAAGCCTGGCT
GCCTAGAGAGCTGGGGCAGGCAATACATCATTGGCTAGGTCCTTTTCCTTACCAGAGAAGCCCCAGCAGC
AGGAAGCCTGAGTGTGGAAGTCACCGTCGCTAGGGTTTGGGTATCTATTTCTGGTGTCAGCAGGCCATGG
ACTACAAAAAATACTGTTGTGGAACTTGTTAACAAAGAGGAACAATGGTAAAACTTTTTTTCTGTGTTTG
ATAAGTAACAACAAAAAAAAAATCATTGGCTGTTCTTGGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028984

Insert Size: 1017 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.

RefSeq:	BC063088, AAH63088
RefSeq Size:	1982 bp
RefSeq ORF:	1017 bp
Locus ID:	74528
UniProt ID:	Q9CXC3
Cytogenetics:	2 G1
Gene Summary:	Metal-dependent single-stranded DNA (ssDNA) exonuclease involved in mitochondrial genome maintenance. Has preference for 5'-3' exonuclease activity but is also capable of endoduclease activity on linear substrates. Necessary for maintenance of proper 7S DNA levels. Probably involved in mitochondrial DNA (mtDNA) repair, possibly via the processing of displaced DNA containing Okazaki fragments during RNA-primed DNA synthesis on the lagging strand or via processing of DNA flaps during long-patch base excision repair (By similarity). Specifically binds 5-hydroxymethylcytosine (5hmC)-containing DNA in stem cells. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All four variants encode the same protein. Sequence Note:.