

Product datasheet for **MC216344**

Gsdmc (NM_031378) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsdmc (NM_031378) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gsdmc
Synonyms:	Gsdmc1; Mlze
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216344 representing NM_031378
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTCCTACACATTTGACTGGCTTAGCAAGGATGTGGTAAAAAGCTTCAAGGAAGAGATCTGAGGCCTG
 TCAATGCCTGTCAGATGCAACCAAAATTCGCTGTTTAACTACTTCAGGAAACTTCTCCCGTTGGC
 TTGAAAAGTGAATATATTCCAGTTGGATTACCTTCTGCATCTCTGGAGCCCAATATTCCTGTTCCA
 GAGCCTGAAGTGTGAGTCCCATCCCCCTTAAACACACCATATCCAGAACTGAAGGCTGACCTGGATG
 TCGAAACCATTCAGGAGGAGAAGCAGGGTTTGTAAAGTCCTGTGGATATGACATCGAGGTTGAGAGTAA
 GAGCATCCCAATCCAAAGTGGAAAGTCTTCAAAACAGAAACTGTTGGATCAGTTGCCACATTTATG
 AAGACTTGCTGGAAGGATGGAAGAAGCTGTATGTGGTGACAGAGGCTATGAAGTGACCAAGGATACTG
 TGCTGGAAGGCACAAGCAATAGCAAAATTTGCAATCAAAGGGATCATCAACCAGCTTGTCAAGGTTGGAGG
 CAGTGGACAGTGGCAACAGAGAAAACAGATTCAATACCTATCCAAAGGGTTCAGTGTGGCCTACAAG
 AAGCAGCAATTGGTCATTGAGGATAACACTTGTGTTATTCTCACTTCTGCTAACACTAAGAAGAAGATGA
 CCTTTCATGAGATTTGTGGGAATGTCTGGACATCTAAGATATCAGGATCTAGTCATTGAGACAGGCTC
 GTGGATAAATGACATCGATCCAATTGGAACAATTAAGGAGCCACCCATCTAGATTTTATGTGCTACAA
 AATGAAGTTTCTGAACAAACACGGCTACTGGCTGAACCTCTCAAGGATGTTCAAGAAGTTGTGTTCTCCA
 GTTCTGTCACATGCTCTGTGACAGGGATGTTCTGTATGACCTGATGAAATGCTGGAGTTGAATCAGTT
 GGGGCATATGGATGGCCAGGTGGCAAAATCCTGGATGAGCTTCGAAAGGACTCGAGCCTTTCATGGATT
 AACCTAAAGGACCTCATTCTTTATCTCCTTCAAGCCCTGATGGTGCTGAGTGATACCAACTCTGTCTGC
 TGGCCCTGTCTGTGGAGATGCGGCTCCTCCGCACCAAGTGGAGCTGGTAAAGAGCATCTTACAGCCAAA
 CTTCAAGTATCCCTGGAACATTCCCTTACACTCCAGCCTCAGCTTCTTGCCCCACTCCAGGGTGAGGGC
 TTGGCCATTACTTATGAATTGCTGGAGGAGTGTGGTCTGAAGATGGAGCTGAATAATCCAGGTCAACTT
 GGGATTTGGAAGCAAGATGCCCTGTCTGCTCTCTATGGAAGCCTGTCATTTTACAGCAACTTTCAGA
 AGCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031378
Insert Size: 1407 bp
OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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>NM_031378.3</u> , <u>NP_113555.1</u>
RefSeq Size:	2382 bp
RefSeq ORF:	1407 bp
Locus ID:	83492
UniProt ID:	<u>Q99NB5</u>
Cytogenetics:	15 D1
Gene Summary:	The N-terminal moiety promotes pyroptosis and exhibits bactericidal activity. The physiological relevance of these observations is unknown.[UniProtKB/Swiss-Prot Function]