

Product datasheet for **SC308767**

GSDMC (NM_031415) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GSDMC (NM_031415) Human Untagged Clone
Tag:	Tag Free
Symbol:	GSDMC
Synonyms:	MLZE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC308767 representing NM_031415.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCCTCCATGTTGGAACGCATTAGCAAAAATTTGGTCAAAGAGATTGGAAGCAAAGACCTGACACCT
GTCAAATACCTATTGAGTGCCACCAAAATTACGTCAAGTTTGTATATTACGAAAGAAGAAGGATTCTCGT
TCATCATTTTGGGAACAATCTGACTATGTTCCAGTTGAATTTCTCCCTCAATGACATCCTGGAGCCAAGT
TCTTCAGTCCTAGAACTGTTGTGACAGGACCGTTCCACTTCAGTGACATTATGATCCAGAAGCATAAG
GCTGACATGGGTGTAATGTTGGTATAGAAGTGAGTGTCAGGGGAGGCCTCTGTGGACCATGGATGC
TCCCTCGAGTTTCAAAATGTTACCATCCCATCACCAAACCTGGAAGACTTTCAAAAAGGAACTGTTG
GATCCAGAGCCATCATTCTGAAGGAGTGCCGGAGGAGGGGACAACCTGTACGTGGTGACAGAGGCT
GTTGAAGTATCAACAATACTGTGCTGTACGATAGCAGTAGTGTAATTTTTAGGGAAAATTGCTCTT
TGGATTACCTATGGCAAGGTCAAGGCCAAGGAGAGAGTCTCAGAGTGAAGAAGAAGGCGCTGACTCTT
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GATGATGATGAACAGAGAACCTTTCAAGATGAGTACGAAATTTCCGAAATGGTAGGCTACTGTGCTGCG
AGGAGTGAGGGGTGCTACCATCATTTTCATACCATCTCTCCAACCTCTTCAATGCCTCATCCAATGAT
ATGAAGTTAAACAGAGCTATTTCTGACACAGCAATTTTGGCGGGCATTGGCAAAATACGAACAA
GTTACATCCTCCAGTAGGAAGAATAGAGGAACCTTCTGGCAAAATTTCAAGCATCTACAAGAGGAG
GTTTTCCAGAAAATAAGACACTGGCTCAGCTCTCAAAGGATGTTGAGGATGTCATGTTCTACAGTATC
CTGGCCATGCTCAGAGACAGAGGGGCTTACAGGACCTGATGAACATGCTGGAATTGGACAGCTCAGGT
CATTTGGATGGCCCTGGTGGTGCCATCCTAAAGAACTTCAACAGGATTCAAACCATGCATGGTTTAAC
CCAAAGGACCCCATTTCTTATCTCCTTGAAGCCATAATGGTGCTGAGTGACTTCCAACACGATTTGCTG
GCCTGTTCCATGGAGAAGAGGATCTGCTTACGCAACAGGAGCTGGTAAGGAGCATCCTGGAGCCAAAC
TTCAGATACCCCTGGAGATTCCCTTACCCTCAAACCTGAGCTCCTCGCCCCACTCCAGAGTGAGGGT
TTGGCCATCACCTATGGCCTGCTGGAGGAGTGTCCTTAGGATGGAGCTGGATAACCCAGGTCAACC
TGGGATGTAGAAGCAAAGATGCCCTGTCTGCCCTCTATGGGACTCTCTCGTTGCTGCAGCAGCTGGCT
GAGGCCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_031415

Insert Size: 1527 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_031415.2</u>
RefSeq Size:	2731 bp
RefSeq ORF:	1527 bp
Locus ID:	56169
UniProt ID:	<u>Q9BYG8</u>
Cytogenetics:	8q24.21
Domains:	DFNA5
MW:	57.7 kDa
Gene Summary:	The N-terminal moiety promotes pyroptosis. May be acting by homooligomerizing within the membrane and forming pores (PubMed:27281216). The physiological relevance of this observation is unknown (Probable).[UniProtKB/Swiss-Prot Function]