

Product datasheet for **MR217410**

Gsdmc3 (NM_183194) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsdmc3 (NM_183194) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gsdmc3
Synonyms:	9930109F21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR217410 representing NM_183194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTACAGTTTTGACCGGGCTAGCAAGGATGTGGTTAAAAAGCTTCAAGGAAGAGATCTGAGGCCTG
 TGGAAATGCTTGTGATGCAACCAAAATTCGCCTATTTACATACTCCAGGAGACTCCTCGATCAGGTTG
 GGAAACTGAAGATATTCCAGTTGGATTTACCCTTCTGGATCTCTTGGAGCCCAACTTTCCTGTTCCAGAG
 CCTGAAGTGTCTGCTCCCAAGCCCTTACATACATGTCCAATCAACGGACCTGGAGGCTAAGTGAATGTCG
 CAGACATTGCAAGAGGAGGTGTAGGGTATGTTGGGTACGGTGGATAACAATCGAGGTTCCAGAGTACAAG
 CATCCAAATCCAAAAGTGGAAATTTCTCAAACAGGAACTGTTGGATAAGTTGCCACATTTATGAAG
 TTTTGCCGGATGGAAAGGAAGAACCTGTATGTGGTGACAGAGGCTTATGAAGTGTCCAAGGATACTATGC
 TGACAGGCTTAAGCAGTGTCAATCTTTAGTTAAAGGGTCTTCAAACAGCTTTTCAAGGTTCCAGGCAA
 GCGGGGAAGTCCGAAAAGTATTCAATACCTATCCAAAGGGTTCGGTGTGGCCTATAAGAAGCAGCAA
 CTTGTCTTGGAGAATAACACTTGTGTCATTCTCCCTTCTGCTACTAAGAAGAAGTACCTTTCCAGGCA
 CACCTAAGTACGCTTCTGCTCCGAACCCACTGAGATTTATAGAACAGAATTACAAGTTTGTGGATAAA
 TGACATCGAACCAATTGGAGAATCCAGGAGCCCGCCCATCTAGATTTCAAGTGCCTACAATATGAAGTT
 TCTGAACAAACACGACTACTGCCTGAACCTCAAAGGATGTTCAAGAAGTTGTGTGTCCAGTTTCTGT
 CCATGCTCTATGAAGGTGACAGGAACGTTCTGCATGACCTGATGAAAATGCTGGAGTTGAGTCAGTTGGG
 GCATATGGATGGCCAGGTGGCAAAATCCTGGATGAGCTTCGAAAGGATTCTAGCAACCCATGTGTTGAC
 CTAAGGACCTCATTCTTTATCTCCTTCAAGCCTGATGGTGTCTAGTATAGCCAACCTCAATCTGCTGG
 CCCGGTCTGTGGAGATGCGGCTCCTCCCGCACCAAGTAGAGCTGGTAACGAGCATCTACAGCCAAACTT
 CAAGTATCCCTGGAAACATTCCTTCCAGTCCAGCCTCAGCTTCTTCCCACTCCAGGGTGGGGCTTG
 GCCATTACTTATGAATTGCTGGAGGAGTGTGGTCTGAAGATGGAGCTGAATAATCCAGGTCAACTTGGG
 ATTTGGAAGCCAAGATGCCCTTGTCTGCTCTATGGAAGCCTGTCAATTTTACAGCAACTTCAGAAGGC
 TAACTCTCCTTCAAGCCAGCCTCCGACTGGATACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217410 representing NM_183194
 Red=Cloning site Green=Tags(s)

MGYSFDRASKDVVKKLQGRDLRPVECLSDATKFRLFHILQETPRSGWETEDIPVGFLLDLLEPNFPVPE
 PEVSAPKPFIVQSTDLEANLNVADIARGGVGYVGGYNIQVQSTSIPNPKLEILQNRKLLDKLPTFMK
 FCRMERKNLYVTEAYEVSKDMLTGLSSVNLVKGFFKQLFKVRGKAGRSEKYSIPIPKGSVLAYKKQQ
 LVIENNTCVILPSATKKKMTFPGTPKYASASEPTEIYRTELQGLWINDIEPIGRIQEPALHDFKCLQYEV
 SEQTRLLPELTKDVQEVVLSFLSMLYEGDRNVLHDLMKMLELSQLGHMDGPGGKILDELKRDSSNPCVD
 LKDLILYLLQALMVLSDSQLNLLARSVEMRLLPHQVELVTSILQPNFKYPWNIPFTVQPQLLAPLQGEGL
 AITYELLEECGLKMELNPRSTWDLEAKMPLSALYGSLSFLQQLQKANSSEKPSLRPGYI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9070_g01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_183194

ORF Size: 1440 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](#)

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_183194.3](#), [NP_899017.2](#)

RefSeq Size: 2142 bp

RefSeq ORF: 1443 bp

Locus ID: 270328

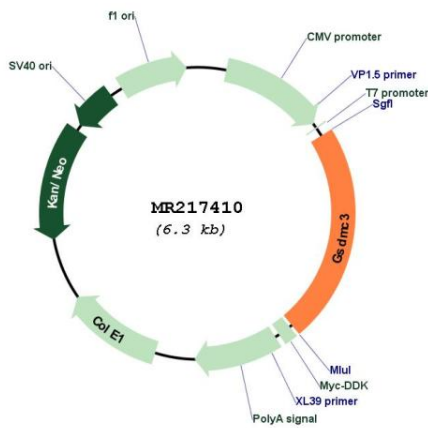
UniProt ID: [Q8CB12](#)

Cytogenetics: 15 D1

MW: 54.2 kDa

Gene Summary: The N-terminal moiety promotes pyroptosis and exhibits bactericidal activity. The physiological relevance of these observations is unknown.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217410