

Product datasheet for **MG217410**

Gsdmc3 (NM_183194) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsdmc3 (NM_183194) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gsdmc3
Synonyms:	9930109F21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217410 representing NM_183194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCTACAGTTTTGACCGGGCTAGCAAGGATGTGGTTAAAAAGCTTCAAGGAAGAGATCTGAGGCCTG
 TGGAAATGCTTGTGAGATGCAACCAAATTCGCCTATTTACATACTCCAGGAGACTCCTCGATCAGGTTG
 GGAAACTGAAGATATTCCAGTTGGATTTACCCTTCTGGATCTCTTGGAGCCCAACTTTCCTGTTCCAGAG
 CCTGAAGTGTCTGCTCCCAAGCCCTTACATACATGTCCAATCAACGGACCTGGAGGCTAAGTGAATGTCG
 CAGACATTGCAAGAGGAGGTGTAGGGTATGTTGGGTACGGTGGATAACAATCGAGGTTCCAGGTACAAG
 CATCCAAATCCAAAAGTGAATTTCTTCAAACAGGAACTGTTGGATAAGTGGCCACATTTATGAAG
 TTTTGCCGGATGGAAAGGAAGAACCTGTATGTGGTGACAGAGGCTTATGAAGTGTCCAAGGATACTATGC
 TGACAGGCTTAAGCAGTGTCAATCTTTAGTTAAAGGGTCTTCAAACAGCTTTTCAAGGTTCCGAGGCAA
 GCGGGAAAGTGGAAAAGTATTCAATACCTATCCAAAGGGTTCGGTGTGGCCTATAAGAAGCAGCAA
 CTTGTCTTGGAGAATAACACTTGTGTCATTCTCCCTTCTGCTACTAAGAAGAAGTACCTTTCCAGGCA
 CACCTAAGTACGCTTCTGCTTCCGAACCCACTGAGATTTATAGAACAGAATTACAAGTTTGTGGATAAAA
 TGACATCGAACCAATTGGAAAGATCCAGGAGCCCGCCCATCTAGATTTCAAGTGCCTACAATATGAAGTT
 TCTGAACAAACACGACTACTGCCTGAACCTCAAAGGATGTTCAAGAAAGTTGTGTGTCCAGTTTCTGT
 CCATGCTCTATGAAGGTGACAGGAACGTTCTGCATGACCTGATGAAAATGCTGGAGTTGAGTCAGTTGGG
 GCATATGGATGGCCAGGTGGCAAAATCCTGGATGAGCTTCGAAAGGATTCTAGCAACCCATGTGTTGAC
 CTAAGGACCTCATTCTTTATCTCCTTCAAGCGCTGATGGTCTCAGTGATAGCCAACCTCAATCTGCTGG
 CCCGGTCTGTGGAGATGCGGCTCCTCCCGCACCAAGTAGAGCTGGTAACGAGCATCTACAGCCAACTT
 CAAGTATCCCTGGAACATTCCCTTACAGTCCAGCCTCAGCTTCTTCCCACTCCAGGGTGGAGGCTTG
 GCCATTACTTATGAATTGCTGGAGGAGTGGTCTGAAGATGGAGCTGAATAATCCAGGTCAACTTGGG
 ATTTGGAAGCCAAGATGCCCTTGTCTGCTCTATGGAAGCCTGTCAATTTTACAGCAACTTCAGAAGGC
 TAACTCTCCTTCAAGCCAGCCTCCGACTGGATACAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG217410 representing NM_183194
 Red=Cloning site Green=Tags(s)

MGYSFDRASKDVVKLLQGRDLRPVECLSDATKFRLFHILQETPRSGWETEDIPVGFLLDLLEPNFPVPE
 PEVSAPKPFIVHQSTDLEANLNVADIARGGVGYGYGGYNIQVQSTSIPNPKLEILQNRKLLDKLPTFMK
 FCRMERKNLYVTEAYEVSKDMLTGLSSVNLVKGFFKQLFKVRGKAGRSEKYSIPIPKGSVLAYKKQQ
 LVIENNTCVILPSATKKKMTFPGTPKYASASEPTEIYRTELQGLWINDIEPIGRIQEPAHLDKCLQYEV
 SEQTRLLPELSKDVQEVVLSFSLMLYEGDRNVLHDLMKMLELSQLGHMDGPGGKILDELKRDSSNPCVD
 LKDLILYLLQALMVLSDSQLNLLARSVEMRLLPHQVELVTSILQPNFKYPWNIPFTVQPQLLAPLQGEGL
 AITYELLEECGLKMELNPRSTWDLEAKMPLSALYGSLSFLQQLQKANSSEFKPSLRPGYI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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
Gene Summary:	The N-terminal moiety promotes pyroptosis and exhibits bactericidal activity. The physiological relevance of these observations is unknown.[UniProtKB/Swiss-Prot Function]