

## Product datasheet for SC311266

### Gasdermin like (GSDMB) (NM\_001042471) Human Untagged Clone

#### Product data:

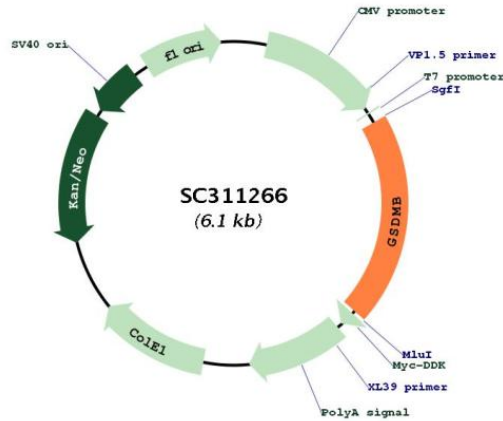
Product Type:	Expression Plasmids
Product Name:	Gasdermin like (GSDMB) (NM_001042471) Human Untagged Clone
Tag:	Tag Free
Symbol:	GSDMB
Synonyms:	GSDMB-1; GSDML; PP4052; PRO2521
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311266 representing NM_001042471. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTCAGCGTATTTGAGGAAATCACAAGAATTGTAGTTAAGGAGATGGATGCTGGAGGGGATGATT
GCCGTTAGAAGCCTTGTGATGCTGATAGATTCCGCTGCTTCCATCTGGTGGGGGAGAAGAGAACTTTC
TTTGGATGCCGGCACTACACAACAGGCCTCACCTGATGGACATTCTGGACACAGATGGGACAAGTGG
TTAGATGAACTGGATTCTGGGCTCCAAGGTCAAAGGCTGAGTTTCAAATTCGGATAATGTAGACTCA
ACGGGAGAGTTGATAGTGAAGATTACCCAAAGAAATAACAATTCAGGCAGTTCCAGGGCTTCCACCAT
CAGAAAATCAAGATATCGGAGAACCGGATATCCCAGCAGTATCTGGCTACCTTGAAAACAGGAAGCTG
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CTGGAGACGGTAAAGGAGGAAACCTGAAAAGCGACCGGCAATATAAATTTGGAGCCAGATCTCTCAG
GGCCATCTCAGCTATAAACACAAGGGCCAAAGGGAAGTGACCATCCCCCAAATCGGGTCTGAGCTAT
CGAGTAAAGCAGCTTGTCTTCCCAACAAGGAGACGATGAAGAAGGATGGTGCTTCATCTGTTTAGGA
AAGTCTTTGGGTTTCGGAGGATCCAGAAACATGAAGGAGAAGTTGGAGGACATGGAGAGTGTCTCAAG
GACCTGACAGAGGAGAAGAGAAAAGATGTGCTAACTCCCTCGCTAAGTGCCTCGCAAGGAGGATATT
CGGCAGGATCTAGAGCAAAGAGTATCTGAGTCTGATTTCGGGGAGCTACACATGGAGGACCCAGAC
AAGCCTCTCCTAAGCAGCCTTTTTAATGCTGCTGGGGTCTTGGTGAAGCGCTGCAAAAGCCATTCTG
GACTTCTGATGCCCTGCTAGAGCTGTCTGAAGAGCAGCAGTTTGTGGCTGAGGCCCTGGAGAAGGGG
ACCCTTCTCTGTTGAAGGACCAGGTGAAATCTGTGATGGAGCAGAACTGGGATGAGCTGCCAGCAGT
CCTCTGACATGGACTATGACCCTGAGGCACGAATTCTCTGTGCGCTGTATGTTGTTGTCTCTATCCTG
CTGGAGCTGGCTGAGGGCCTACCTCTGTCTTCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001042471

**Insert Size:** 1212 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](mailto: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 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: [NM\\_001042471.1](#)

RefSeq Size: 1578 bp

RefSeq ORF: 1212 bp

Locus ID: 55876

UniProt ID: [Q8TAX9](#)

Cytogenetics: 17q21.1

MW: 45.8 kDa

**Gene Summary:** This gene encodes a member of the gasdermin-domain containing protein family. Other gasdermin-family genes are implicated in the regulation of apoptosis in epithelial cells, and are linked to cancer. Alternative splicing and the use of alternative promoters results in multiple transcript variants. Additional variants have been described, but they are candidates for nonsense-mediated mRNA decay (NMD) and are unlikely to be protein-coding. [provided by RefSeq, Nov 2016]  
Transcript Variant: This variant (1) lacks an alternate in-frame exon in the central coding region, compared to variant 3. The resulting isoform (1) lacks an internal segment, compared to isoform 3.