

## Product datasheet for SC326960

### Gasdermin like (GSDMB) (NM\_001165959) Human Untagged Clone

#### Product data:

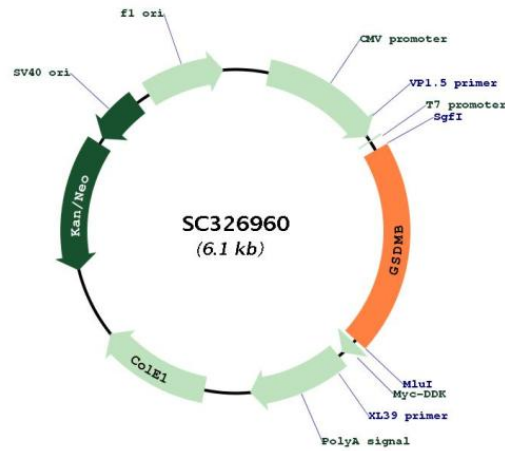
Product Type:	Expression Plasmids
Product Name:	Gasdermin like (GSDMB) (NM_001165959) Human Untagged Clone
Tag:	Tag Free
Symbol:	GSDMB
Synonyms:	GSDMB-1; GSDML; PP4052; PRO2521
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326960 representing NM_001165959. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTCAGCGTATTTGAGGAAATCACAAGAATTGTAGTTAAGGAGATGGATGCTGGAGGGGATATGATT
GCCGTTAGAAGCCTTGTGATGCTGATAGATTCCGCTGCTTCCATCTGGTGGGGGAGAAGAGAATTTTC
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GGCCATCTCAGCTATAAACACAAGGGCCAAAGGGAAGTGACCATCCCCCAAATCGGGTCTGAGCTAT
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TTTCCAGAAGGAAAGTCTTTGGGTTCCGAGGATTCCAGAAACATGAAGGAGAAGTTGGAGGACATGGAG
AGTGTCTCAAGGACCTGACAGAGGAGAAGAGAAAAGATGTGCTAACTCCCTCGCTAAGTGCCTCGGC
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GAGGACCCAGACAAGCCTCTCCTAAGCAGCCTTTTTAATGCTGCTGGGGTCTTGGTGAAGCGCGTGCA
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CTGGCCAGCAGTCTCTGACATGGACTATGACCCTGAGGCACGAATTCTCTGTGCGCTGTATGTTGTT
GTCTCTATCTGCTGGAGCTGGCTGAGGGCCTACCTCTGTCTCTCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001165959

**Insert Size:** 1224 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:** [NM\\_001165959.1](#)

**RefSeq Size:** 1583 bp

**RefSeq ORF:** 1224 bp

**Locus ID:** 55876

**UniProt ID:** [Q8TAX9](#)

**Cytogenetics:** 17q21.1

**MW:** 46.5 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 (4) lacks an alternate in-frame exon in the central coding region, compared to variant 3. The resulting isoform (4) lacks an internal segment, compared to isoform 3.