

## Product datasheet for **RG224054**

### Gasdermin like (GSDMB) (NM\_018530) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gasdermin like (GSDMB) (NM_018530) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gasdermin like
Synonyms:	GSDMB-1; GSDML; PP4052; PRO2521
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224054 representing NM_018530 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTCAGCGTATTTGAGGAAATCACAAGAATTGTAGTTAAGGAGATGGATGCTGGAGGGGATGATTG  
CCGTTAGAAGCCTTGTGATGCTGATAGATTCCGCTGCTCCATCTGGTGGGGGAGAAGAGAACCTTCTT  
TGGATGCCGCACTACACAACAGGCCTCACCTGATGGACATTCTGGACACAGATGGGACAAGTGGTTA  
GATGAAGTGGATTCTGGGCTCCAAGGTCAAAGGCTGAGTTTCAAATTCTGGATAATGTAGACTCAACGG  
GAGAGTTGATAGTGAGATTACCCAAAGAAATAACAATTCAGGCAGTTTCCAGGGCTTCCACCATCAGAA  
AATCAAGATATCGGAGAACCGGATATCCAGCAGTATCTGGCTACCCCTGAAAACAGGAAGCTGAAGAGG  
GAACTACCCCTTTTCATTCCGATCAATTAATACGAGAGAAAACCTGTATCTGGTGACAGAAAACCTGAGA  
CGGTAAAGGAGGAAACCTGAAAAGCGACCGGCAATATAAATTTGGAGCCAGATCTCTCAGGGCCATCT  
CAGCTATAAACACAAGGGCCAAAGGGAAGTGACCATCCCCCAAATCGGGTCTGAGCTATCGAGTAAAG  
CAGCTTGTCTTCCCCAACAGGAGACGATGAGAAAAGTCTTTGGTTCGGAGGATTCCAGAAAATGAAGG  
AGAAGTTGGAGGACATGGAGAGTGTCTCAAGGACCTGACAGAGGAGAAGAGAAAAGATGTGCTAAACTC  
CCTCGCTAAGTGCCTCGCAAGGAGGATATTCGGCAGGATCTAGAGCAAAGAGTATCTGAGTCTGATT  
TCCGGGAGCTACACATGGAGGACCCAGACAAGCCTCTCCTAAGCAGCCTTTTAAATGCTGCTGGGTCT  
TGGTAGAAGCGCGTGCAAAGCCATTCTGGACTTCTGGATGCCCTGCTAGAGCTGTCTGAAGAGCAGCA  
GTTTGTGGCTGAGGCCCTGGAGAAGGGACCCTTCTCTGTTGAAGGACCAGGTGAAATCTGTATGGAG  
CAGAACTGGGATGAGCTGGCCAGCAGTCTCTGACATGGACTATGACCCTGAGGCACGAATTCTCTGTG  
CGCTGTATGTTGTGTCTCTATCTGCTGGAGCTGGCTGAGGGCCCTACCTCTGTCTCTTCC

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG224054 representing NM\_018530  
 Red=Cloning site Green=Tags(s)

MFSVFEEITRIVVKEMDAGGDMIAVRSLVDADRFRFCFHLVGEKRTFFGCRHYTTGLTMDILDTDGDKWL  
 DELDSDLQGGKAEFQILDNDVSTGELIVRLPKEITISGSFQGFHHQKIKISENRI SQQYLATLENRKLKR  
 ELPF SFRSINTRENLYLVTETLETVKEETLKSDRQYKFSQISQGHLSYKHKGQREVTIPPNRVLSYRVK  
 QLVFVPNKETMRKSLGSEDSRNMKEKLEDMESVLKDLTEEKRKDVLSLAKCLGKEDIRQDLEQRVSEVLI  
 SGELHMEDPDKPLLSSLFNAAGVLVEARAKAILEDLFDLALLELSEEQQFVAEALGKTLPLLKQVKSVME  
 QNWDELASSPPMDYDPEARILCALYVVVSILLELAEGPTSVSS

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2784\\_e06.zip](https://cdn.origene.com/chromatograms/ja2784_e06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_018530

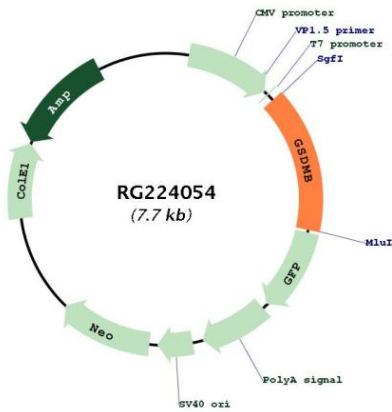
**ORF Size:** 1182 bp

**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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_018530.2</a> , <a href="#">NP_061000.2</a>
<b>RefSeq Size:</b>	1646 bp
<b>RefSeq ORF:</b>	1185 bp
<b>Locus ID:</b>	55876
<b>UniProt ID:</b>	<a href="#">Q8TAX9</a>
<b>Cytogenetics:</b>	17q21.1
<b>Domains:</b>	DFNA5
<b>Gene Summary:</b>	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]

Product images:



Circular map for RG224054