

Product datasheet for RC224054

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:	Myc-DDK
Symbol:	Gasdermin like
Synonyms:	GSDMB-1; GSDML; PP4052; PRO2521
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224054 representing NM_018530 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTTTCAGCGTATTTGAGGAAATCACAAGAATTGTAGTTAAGGAGATGGATGCTGGAGGGGATGATTG
CCGTTAGAAGCCTTGTGATGCTGATAGATTCCGCTGCTCCATCTGGTGGGGGAGAAGAGAACCTTCTT
TGGATGCCGGCACTACACAACAGGCCTCACCTGATGGACATTCTGGACACAGATGGGACAAGTGGTTA
GATGAAGTGGATTCTGGGCTCCAAGGTCAAAGGCTGAGTTTCAAATTCTGGATAATGTAGACTCAACGG
GAGAGTTGATAGTGAGATTACCCAAAGAAATAACAATTCAGGCAGTTTCCAGGGCTTCCACCATCAGAA
AATCAAGATATCGGAGAACCGGATATCCAGCAGTATCTGGCTACCCCTGAAAACAGGAAGCTGAAGAGG
GAACTACCCCTTTTCATTCCGATCAATTAATACGAGAGAAAACCTGTATCTGGTGACAGAAAACCTGAGA
CGGTAAAGGAGGAAACCTGAAAAGCGACCGGCAATATAAATTTGGAGCCAGATCTCTCAGGGCCATCT
CAGCTATAAACACAAGGGCCAAAGGGAAGTGACCATCCCCCAAATCGGGTCTGAGCTATCGAGTAAAG
CAGCTTGTCTTCCCAACAAGGAGACGATGAGAAAAGTCTTTGGTTCCGAGGATTCCAGAAAATGAAGG
AGAAGTTGGAGGACATGGAGAGTGTCTCAAGGACCTGACAGAGGAGAAGAGAAAAGATGTGCTAAACTC
CCTCGCTAAGTGCCTCGCAAGGAGGATATTCGGCAGGATCTAGAGCAAAGAGTATCTGAGTCTGATT
TCCGGGAGCTACACATGGAGGACCCAGACAAGCCTCTCCTAAGCAGCCTTTTAAATGCTGCTGGGCTCT
TGGTAGAAGCGCGTGCAAAGCCATTCTGGACTTCTGGATGCCCTGCTAGAGCTGTCTGAAGAGCAGCA
GTTTGTGGCTGAGGCCCTGGAGAAGGGGACCCTTCTCTGTTGAAGGACCAGGTGAAATCTGTATGGAG
CAGAACTGGGATGAGCTGGCCAGCAGTCTCTGACATGGACTATGACCCTGAGGCACGAATTCTCTGTG
CGCTGTATGTTGTGTCTCTATCTGCTGGAGCTGGCTGAGGGGCTACCTCTGTCTCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC224054 representing NM_018530
Red=Cloning site Green=Tags(s)

MFSVFEEITRIVVKEMDAGGDMIAVRSLVDADRFRCFHLVGEKRTFFGCRHYTTGLTMDILDTDGDKWL
 DELDSDLQGGKAEFQILDNDVSTGELIVRLPKEITISGSFQGFHHQKIKISENRI SQYLATLENRKLKR
 ELPFSFRSINTRENLYLVTETLETVKEETLKSDRQYKFSQISQGHLSYKHKGQREVTIPPNRVLSYRVK
 QLVFVFNKETMRKSLGSEDSRNMKEKLEDMESVLKDLTEEKRKDVLSLAKCLGKEDIRQDLEQRVSEVLI
 SGELHMEDPDKPLLSSLFNAAGVLVEARAKAILDFLDALLELSEEQQFVAEALEKGTLPLLKDVKSVME
 QNWDELASSPPDMYDPEARILCALYVVVSILLELAEGPTSVSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2775_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018530

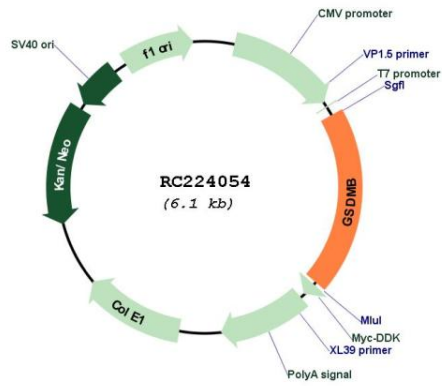
ORF Size: 1182 bp

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 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:	<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_018530.2 , NP_061000.2
RefSeq Size:	1646 bp
RefSeq ORF:	1185 bp
Locus ID:	55876
UniProt ID:	Q8TAX9
Cytogenetics:	17q21.1
Domains:	DFNA5
MW:	45 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]

Product images:



Circular map for RC224054