

Product datasheet for **SC304815**

MAVS (NM_020746) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAVS (NM_020746) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAVS
Synonyms:	CARDIF; IPS-1; IPS1; VISA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_020746 edited
 ATGCCGTTTGGCTGAAGACAAGACCTATAAGTATATCTGCCGCAATTTTCAGCAATTTTTGC
 AATGTGGATGTTGTAGAGATTCTGCCTTACCTGCCCTGCCTCACAGCAAGAGACCAGGAT
 CGACTGCGGGCCACCTGCACACTCTCAGGGAACCGGGACACCCTCTGGCATCTCTTCAAT
 ACCCTTACAGCGCGGCCCGGCTGGGTGGAGTACTTATTGCGGCACTGAGGGGCTGTGAG
 CTAGTTGATCTCGCGGACGAAGTGGCCTCTGTCTACCAGAGCTACCAGCCTCGGACCTCG
 GACCGTCCCCAGACCCACTGGAGCCACCGTCACTTCTGCTGAGAGGCCAGGGCCCCC
 ACACCTGCTGCGGCCACAGCATCCCCTACAACAGCTGCAGAGAGAAGGAGCCAAGTTAC
 CCCATGCCTGTCCAGGAGACCCAGGCGCCAGAGTCCCCAGGAGAGAATTAGAGCAAGCC
 CTGCAGACGCTCAGCCCCAGAGCCATCCCAAGGAATCCAGATGGTGGCCCCCTGGAGTCC
 TCCTCTGACCTGGCAGCCCTCAGCCCTCTGACCTCCAGCGGGCATCAGGAGCAGGACACA
 GAACTGGGCAGTACCCACACAGCAGGTGCGACCTCCAGCCTCACACCATCCCGTGGGCT
 GTGTCTCCATCTGTCTCCTTCCAGCCCCGGCCCGTTCCACCCCCAGGGCAAGCCGCTT
 CCTGGACCCACAGGGTCAGTTGTATCTACTGGCACCTCCTTCTCCTCCTCATCCCCTGGC
 TTGGCCTCTGCAGGGGCTGCAGAGGGTAAACAGGGTGCAGAGAGTGACCAGGCCGAGCCT
 ATCATCTGCTCCAGTGGGGCAGAGGCACCTGCCAACTCTCTGCCCTCCAAGTGCCTACC
 ACCTTGATGCCTGTGAACACAGTGGCCCTGAAAGTGCCTGCCAACCCAGCATCTGTCAAGC
 ACAGTGCCTCCAAGTTGCCAACTAGCTCAAAGCCCCCTGGTGCAGTGCCTTCTAATGCG
 CTCACCAATCCAGCACCATCCAAATTGCCCATCAACTCAACCCGTGCTGGCATGGTGCCA
 TCCAAAGTGCCTACTAGCATGGTGTCTACCAAGGTGTCTGCCAGCACAGTCCCCACTGAC
 GGGAGCAGCAGAAATGAGGAGACCCAGCAGCTCCAACACCCGCGGGCCACTGGAGGC
 AGCTCAGCCTGGCTAGACAGCAGCTCTGAGAATAGGGGCTTGGGTCGGAGCTGAGTAAG
 CCTGGCGTGTGGCATCCCAGGTAGACAGCCCGTTCTCGGGCTGCTTCGAGGATCTTGCC
 ATCAGTGCAGCACCTCCTTGGGCATGGGGCCCTGCCATGGCCCAGAGGAGAATGAGTAT
 AAGTCCGAGGGCACCTTTGGGATCCACGTGGCTGAGAACCCAGCATCCAGCTCCTGGAG
 GGCAACCTGGGCCACCTGCGGACCCGGATGGCGGCCCCAGGCCACAAGCCGACCGGAAG
 TTCCAGGAGAGGGAGGTGCCATGCCACAGGCCCTCACCTGGGGCTCTGTGGCTCCAGGTG
 GCTGTGACAGGGGTGCTGGTAGTCACACTCCTGGTGGTGTGTACCGCGGGCTGTGCAC
 TAG

Restriction Sites: Please inquire

ACCN: NM_020746

Insert Size: 4100 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 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:	<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_020746.2 , NP_065797.2
RefSeq Size:	2936 bp
RefSeq ORF:	1623 bp
Locus ID:	57506
UniProt ID:	Q7Z434
Cytogenetics:	20p13
Protein Families:	Transmembrane
Protein Pathways:	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway
Gene Summary:	<p>This gene encodes an intermediary protein necessary in the virus-triggered beta interferon signaling pathways. It is required for activation of transcription factors which regulate expression of beta interferon and contributes to antiviral innate immunity. [provided by RefSeq, Jul 2020]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>