

Product datasheet for **SC331654**

MAVS (NM_001206491) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAVS (NM_001206491) Human Untagged Clone
Tag: Tag Free
Symbol: MAVS
Synonyms: CARDIF; IPS-1; IPS1; VISA
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331654 representing NM_001206491.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCTGTCCAGGAGACCCAGGCGCCAGAGTCCCCAGGAGAGAATTCAGAGCAAGCCCTGCAGACGCTC
AGCCCCAGAGCCATCCCAAGGAATCCAGATGGTGGCCCCCTGGAGTCTCCTCTGACCTGGCAGCCCTC
AGCCCTCTGACCTCCAGCGGGCATCAGGAGCAGGACACAGAACTGGGCAGTACCCACACAGCAGGTGCG
ACCTCCAGCCTCACACCATCCCCTGGGCTGTGTCTCCATCTGTCTCCTCCAGCCCTGGCCCGTTCC
ACCCCCAGGGCAAGCCGCTTGCCTGGACCACAGGGTCAGTTGTATCTACTGGCACCTCCTTCTCCTCC
TCATCCCCTGGCTTGGCCTCTGCAGGGGCTGCAGAGGGTAAACAGGGTGCAGAGAGTGACCAGGCCGAG
CCTATCATCTGCTCCAGTGGGGCAGAGGCACCTGCCAACTCTCTGCCCTCCAAAGTGCTACCACCTTG
ATGCCTGTGAACACAGTGGCCCTGAAAGTGCTGCCAACCAGCATCTGTGAGCAGAGTGCCTCCAAG
TTGCCAACTAGCTCAAAGCCCCCTGGTGCAGTGCCTTCTAATGCGCTACCAATCCAGCACCATCCAAA
TTGCCATCAACTCAACCCGTGCTGGCATGGTGGCATCCAAAGTGCTACTAGCATGGTGTCTACCAAG
GTGTCTGCCAGCACAGTCCCCTGACGGGAGCAGCAGAAATGAGGAGACCCAGCAGCTCCAACACCC
GCCGGCGCCACTGGAGGCAGCTCAGCCTGGCTAGACAGCAGCTCTGAGAATAGGGGCTTGGGTGGAG
CTGAGTAAGCCTGGCGTGTGGCATCCCAGGTAGACAGCCGTTCTCGGGCTGCTTCGAGGATCTTGGC
ATCAGTGCCAGCACCTCCTTGGGCATGGGGCCCTGCCATGGCCCAGAGGAGAATGAGTAAAGTCCGAG
GGCACCTTTGGGATCCAGTGGCTGAGAACCCAGCATCCAGCTCCTGGAGGGCAACCTGGGCCACCT
GCGGACCCGGATGGCGGCCCCAGGCCACAAGCCGACCGGAAGTCCAGGAGAGGGAGGTGCCATGCCAC
AGGCCCTCACCTGGGCTCTGTGGCTCCAGGTGGCTGTGACAGGGGTGCTGGTAGTCACACTCCTGGTG
GTGCTGTACCGCGCGCTGTGCAGTAG
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001206491
Insert Size: 1200 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).



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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:	<u>NM_001206491.1</u>
RefSeq Size:	11596 bp
RefSeq ORF:	1200 bp
Locus ID:	57506
UniProt ID:	<u>Q7Z434</u>
Cytogenetics:	20p13
Protein Families:	Transmembrane
Protein Pathways:	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway
MW:	40.5 kDa
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 (3) lacks an exon in the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>