

# Recombinant human MAVS protein

Catalog Number: ATGP1947

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-513aa

**UniProt No.**

Q7Z434

**NCBI Accession No.**

NP\_065797.2

**Alternative Names**

Mitochondrial antiviral signaling protein, CARDIF, IPS-1, IPS1, VISA

## PRODUCT SPECIFICATION

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**Molecular Weight**

55.9 kDa (536aa)

**Concentration**

0.25mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Purity**

> 85% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**Description**

Mitochondrial antiviral signaling protein, also known as MAVS, is required for innate immune defense against viruses. 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 immunity. Recombinant human MAVS protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

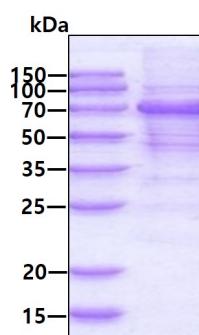
<MGSSHHHHH SSGLVPRGSH MGS>MPFAEDK TYKYICRNFS NFCNVDVVEI LPYLPCLTAR DQDRLRATCT  
LSGNRDTLWH LFNTLQRRPG WVEYFIAALR GCELVDLADE VASVYQSYQP RTSDRPPDPL EPPSLPAERP GPPTPAAHS  
IPYNSCREKE PSYPMPVQET QAPESPGENS EQALQLTSPR AIPRNPDGGP LESSSDLAAL SPLTSSGHQE QDTELGSTHT  
AGATSSLTPS RGPVSPSVSF QPLARSTPRA SRLPGPTGSV VSTGTSFSS SPGLASAGAA EGKQGAESDQ AEPIICSSGA  
EAPANSLPSK VPTTLMPVNT VALKVPANPA SVSTVPSKLP TSSKPPGAVP SNALTNPAPS KLPINSTRAG MVPSKVPTSM  
VLTKVSASTV PTDGSSRNEE TPAAPTPAGA TGGSSAWLDS SSENRGLGSE LSKPGVLASQ VDSPFSGCFE DLAISASTSL  
GMGPCCHGPEE NEYKSEGTFG IHVAENPSIQ LLEGNPGPPA DPDGGPRPQA DRKFQEREVP CHRSPSP

## General References

- Seth R.B., et al. (2005) Cell. 122:669-682  
Xu L.-G., et al. (2005) Mol. Cell. 19:727-740

## DATA

### SDS-PAGE



Bug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.