

# 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

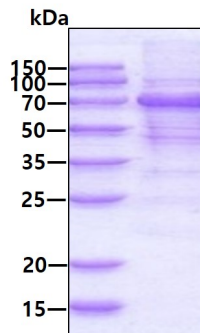
<MGSSHHHHHH SSGLVPRGSH MGS>MPFAEDK TYKYICRNFS NFCNVDVVEI LPYLPCLTAR DQDRLRATCT  
LSGNRDTLWH LFNTLQRRPG WVEYFIAALR GCELVDLADE VASVYQSYQP RTSDRPPDPL EPPSLPAERP GPPTPAAAHS  
IPYNCREKE PSYPMPVQET QAPESPGENS EQALQTLSPR AIPRNPDGGP LESSDLAAL SPLTSSGHQE QDTELGSTHT  
AGATSSLTPS RGPVSPVSF QPLARSTPRA SRLPGPTGSV VSTGTSFSS SPGLASAGAA EGKQGAESDQ AEPIICSSGA  
EAPANSLPSK VPTTLMVPVNT VALKVPANPA SVSTVPSKLP TSSKPPGAVP SNALTNPAPS KLPINSTRAG MVPSKVPTSM  
VLTKVSASTV PTDGSSRNEE TPAAPTAGA TGGSSAWLDS SSENRLGSE LSKPGVLASQ VDSPFSGCFE DLAISASTSL  
GMGPCHGPEE NEYKSEGTFG IHVAENPSIQ LLEGNGPPA DPDGGPRPQA DRKFQEREVP CHRSP

## 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



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.