Recombinant Human MAVS, His-tagged

Cat. No. MAVS-7247H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MAVS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
source	E. coli
species	Human
tag	His
form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
molecular mass	55.9 kDa (536aa)
aa sequence	MGSSHHHHHH SSGLVPRGSH MGSMPFAEDK TYKYICRNFS NFCNVDVVEI

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	LPYLPCLTAR DQDRLRATCT LSGNRDTLWH LFNTLQRRPG WVEYFIAALR GCELVDLADE VASVYQSYQP RTSDRPPDPL EPPSLPAERP GPPTPAAAHS IPYNSCREKE PSYPMPVQET QAPESPGENS EQALQTLSPR AIPRNPDGGP LESSSDLAAL SPLTSSGHQE QDTELGSTHT AGATSSLTPS RGPVSPSVSF QPLARSTPRA SRLPGPTGSV VSTGTSFSSS SPGLASAGAA EGKQGAESDQ AEPIICSSGA EAPANSLPSK VPTTLMPVNT VALKVPANPA SVSTVPSKLP TSSKPPGAVP SNALTNPAPS KLPINSTRAG MVPSKVPTSM VLTKVSASTV PTDGSSRNEE TPAAPTPAGA TGGSSAWLDS SSENRGLGSE LSKPGVLASQ VDSPFSGCFE DLAISASTSL GMGPCHGPEE NEYKSEGTFG IHVAENPSIQ LLEGNPGPPA DPDGGPRPQA DRKFQEREVP CHRPSP
purity	>85% by SDS - PAGE
applications	SDS-PAGE
storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
concentration	0.25 mg/ml

GENE INFORMATION

gene name	MAVS mitochondrial antiviral signaling protein [Homo sapiens]
official symbol	MAVS
synonyms	MAVS; mitochondrial antiviral signaling protein; mitochondrial antiviral-signaling protein; CARD adaptor inducing IFN beta; Cardif; IFN B promoter stimulator 1; IPS 1; KIAA1271; virus induced signaling adaptor; VISA; IFN-B promoter stimulator 1; CARD adaptor inducing IFN-beta; virus-induced signaling adaptor; virus-induced-signaling adapter; CARD adapter inducing interferon beta; putative NF-kappa-B-activating

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	protein 031N; interferon beta promoter stimulator protein 1; IPS1; IPS-1; CARDIF; MGC3260; FLJ27482; FLJ31698; FLJ35386; FLJ38051; FLJ41962; DKFZp547C224; DKFZp666M015;
Gene ID	57506
mrna refseq	NM_001206491
protein refseq	NP_001193420
mim	609676
uniprot id	Q7Z434
chromosome location	20p13
pathway	Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Immune System, organism-specific biosystem;
function	CARD domain binding; protein binding; protein kinase binding; signal transducer activity;

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