Recombinant Human MAVS cell lysate

Cat. No. MAVS-1909HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	Double-stranded RNA viruses are recognized in a cell type-dependent manner by the transmembrane receptor TLR3 (MIM 603029) or by the cytoplasmic RNA helicases MDA5 (MIM 606951) and RIGI (ROBO3; MIM 608630). These interactions initiate signaling pathways that differ in their initial steps but converge in the activation of the protein kinases IKKA (CHUK; MIM 600664) and IKKB (IKBKB; MIM 603258), which activate NFKB (see MIM 164011), or TBK1 (MIM 604834) and IKKE (IKBKE; MIM 605048), which activate IRF3 (MIM 603734). Activated IRF3 and NFKB induce transcription of IFNB (IFNB1; MIM 147640). For the TLR3 pathway, the intermediary molecule before the pathways converge is the cytoplasmic protein TRIF (TICAM1; MIM 607601). For RIGI, the intermediary protein is mitochondria-bound IPS1 (Sen and Sarkar, 2005 [PubMed 16239922]).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

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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 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;

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Function	CARD domain binding; protein binding; protein kinase binding; signal transducer activity;

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