Recombinant Mouse Mavs Protein, Myc/DDK-tagged

Cat. No. Mavs-3974M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mitochondrial antiviral signaling protein (Mavs), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for innate immune defense against viruses Acts downstream of DHX33, DDX58/RIG-I and IFIH1/MDA5, which detect intracellular dsRNA produced during viral replication, to coordinate pathways leading to the activation of NF-kappa-B, IRF3 and IRF7, and to the subsequent induction of antiviral cytokines such as IFN-beta and RANTES (CCL5) Peroxisomal and mitochondrial MAVS act sequentially to create an antiviral cellular state. Upon viral infection, peroxisomal MAVS induces the rapid interferon-independent expression of defense factors that provide short-term protection, whereas mitochondrial MAVS activates an interferon-dependent signaling pathway with delayed kinetics, which amplifies and stabilizes the antiviral response. May activate the same pathways following detection of extracellular dsRNA by TLR3. May protect cells from apoptosis.
Molecular Mass	53.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Mavs mitochondrial antiviral signaling protein [Mus musculus (house mouse)]
Official Symbol	Mavs
Synonyms	MAVS; mitochondrial antiviral signaling protein; mitochondrial antiviral-signaling protein; IFN-beta promoter stimulator-1; virus-induced signaling adapter; CARD adapter inducing interferon beta; mitochondrial anti-viral signaling protein; interferon beta promoter stimulator protein 1; Visa; IPS-1; cardif; D430028G21Rik; MGC25836
Gene ID	228607
mRNA Refseq	NM_144888
Protein Refseq	NP_659137
UniProt ID	Q8VCF0

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