

Recombinant Mouse Mx1 protein, His & GST-tagged

Cat. No. Mx1-1887M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mx1 aa. (Gly43~Leu308 (Accession # P09922)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Gly43~Leu308
Description	This gene encodes a member of the Mx protein family of large GTPases, and functions in the innate immunity system. Interferon alpha/beta treatment or viral infection induces expression of this protein, which subsequently accumulates in the cytoplasm and inhibits viral replication. It has been shown to confer resistance to the influenza virus. This gene produces a functional protein in some feral mouse strains, whereas some inbred mouse strains including the strain of the reference genome, C57BL/6J, contain a deletion or a nonsense mutation that results in a non-functional gene product.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	5.8

GENE INFORMATION

Gene Name	Mx1 MX dynamin-like GTPase 1 [Mus musculus (house mouse)]
Official Symbol	Mx1
Synonyms	Mx1; MX dynamin-like GTPase 1; Mx; Mx-1; AI893580; interferon-induced GTP-binding protein Mx1; myxoma resistance protein 1; myxovirus (influenza virus) resistance 1; myxovirus (influenza) resistance 1 polypeptide
Gene ID	17857
mRNA Refseq	NM_010846.1
Protein Refseq	NP_034976.1

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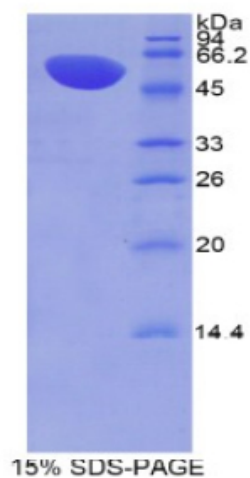
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UniProt ID

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SDS-PAGE

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