Recombinant Mouse Mx1 Protein, Myc/DDK-tagged

Cat. No. Mx1-4231M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length MX dynamin-like GTPase 1 (Mx1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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.
Molecular Mass	72 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.
Storage	Store at -80 centigrade after receiving vials.

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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	Mx1 MX dynamin-like GTPase 1 [Mus musculus (house mouse)]
Official Symbol	Mx1
Synonyms	MX1; myxovirus (influenza virus) resistance 1; interferon-induced GTP-binding protein Mx1; myxoma resistance protein 1; myxovirus (influenza) resistance 1 polypeptide; Mx; Mx-1; AI893580
Gene ID	17857
mRNA Refseq	NM_010846
Protein Refseq	NP_034976
UniProt ID	P09922

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