

Recombinant Human MX2 293 Cell Lysate

Cat. No. MX2-4048HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for myxovirus (influenza virus) resistance 2 (mouse) (MX2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

MX2 myxovirus (influenza virus) resistance 2 (mouse) [Homo sapiens]

Official Symbol

MX2

Synonyms

MX2; myxovirus (influenza virus) resistance 2 (mouse); myxovirus (influenza) resistance 2, homolog of murine; interferon-induced GTP-binding protein Mx2; interferon regulated resistance GTP binding protein MXB; MXB; second interferon induced protein p78; p78-related protein; myxovirus resistance protein 2; second interferon-induced protein p78; interferon-regulated resistance GTP-binding protein MXB;

Gene ID

4600

mRNA Refseq

NM_002463

Protein Refseq

NP_002454

MIM

147890

UniProt ID

P20592

Chromosome Location

21q22.3

Pathway

Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cytokine

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Signaling in Immune system, organism-specific biosystem; ISG15 antiviral mechanism, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; Interferon alpha/beta signaling, organism-specific biosystem;

Function

GTP binding; GTPase activity; nucleotide binding;

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