

Recombinant Human MX2

Cat. No. MX2-30264TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human MX2 with N-terminal proprietary tag. Predicted MW 36.63kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	The protein encoded by this gene has a nuclear and a cytoplasmic form and is a member of both the dynamin family and the family of large GTPases. The nuclear form is localized in a granular pattern in the heterochromatin region beneath the nuclear envelope. A nuclear localization signal (NLS) is present at the amino terminal end of the nuclear form but is lacking in the cytoplasmic form due to use of an alternate translation start codon. This protein is upregulated by interferon-alpha but does not contain the antiviral activity of a similar myxovirus resistance protein 1.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QKAMEIIQQAFINVAKKHFGGEFFNLNQTVQSTIEDIKVKHTAKAENMIQLQFRMEQMV FCQDQIYSVVLKKVREEIFNPLGTPSQNMKLNSHFPSNESSV
Sequence Similarities	Belongs to the dynamin family.Contains 1 GED domain.
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;
Gene ID	4600
mRNA Refseq	NM_002463
Protein Refseq	NP_002454
MIM	147890
Uniprot ID	P20592
Chromosome Location	21q22.3

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Pathway	Cytokine Signaling in Immune system, 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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