

# Recombinant Full Length Human MX1 Protein

**Cat. No.** MX1-321HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human MX1 (amino acids 1-662) with N terminal proprietary tag; Predicted MWt 98.89 kDa including the tag.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	662 amino acids
<b>Description</b>	In mouse, the interferon-inducible Mx protein is responsible for a specific antiviral state against influenza virus infection. The protein encoded by this gene is similar to the mouse protein as determined by its antigenic relatedness, induction conditions, physicochemical properties, and amino acid analysis. This cytoplasmic protein is a member of both the dynamin family and the family of large GTPases. Two transcript variants encoding the same protein have been found for this gene.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	98.890kDa inclusive of tags
<b>AA Sequence</b>	MVVSEVDIAKADPAAASHPLLLNGDATVAQKNPGSVAENN LCSQYEEKVRPCIDLID SLRALGVEQDLALPAIAVIGDQS SGKSSVLEALSGVALPRGSGIVTRCPLVLKLLKLV NEDKW RGKVS YQDY EIEISDASEVEKEINKAQNAIAGEGGMGISHE LITLEISSRDVPD LTLIDLPGITRVAVGNQPADIGYKIKT LIKKYIQRQETISLVVVPSNVDIATTEALSMAQ EVDPEGD RTIGILTKPDLVDKGTEDKVVDVVRNLVFLKKG YMIVKC RGQQEIQDQ

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LSLSEALQREKIFFENHPYFRDLLEEGKATV PCLAEKLTSELITHICKSLPLENQIKET  
 HQRITEELQKY GVDIPEDENEKMFFLIDKINAFNQDITALMQGEETVGEED IRLFTRL  
 RHEFHKWSTIIENNFQEGHKILSRKIQKFENQY RGRELPGFVNYRTFETIVKQKIKAL  
 EEPAVDMLHTVTDMV RLAFTDVSIKNFEEFFNLHRTAKSKIEDIRAEQEREKEKL IRL  
 HFQMEQIVYCQDQVYRGALQKVREKELEEEKKKKSWD FGAFQSSSATDSSMEEIF  
 QHLMAYHQEASKRISSHIPLII QFFMLQTYGQQLQKAMLQLLQDKDTYSWLLKERSD  
 TSDKR KFLKERLARLTQARRRLAQFPG

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

**Gene Name** [MX1 myxovirus \(influenza virus\) resistance 1, interferon-inducible protein p78 \(mouse\) \[ Homo sapiens \]](#)

**Official Symbol** [MX1](#)

**Synonyms** MX1; myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse); myxovirus (influenza) resistance 1, homolog of murine (interferon inducible protein p78); interferon-induced GTP-binding protein Mx1; IFI 78K; MxA

**Gene ID** [4599](#)

**mRNA Refseq** [NM\\_001144925](#)

**Protein Refseq** [NP\\_001138397](#)

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<b>MIM</b>	147150
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<b>UniProt ID</b>	P20591
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