Recombinant Full Length Human MX1 Protein

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

SPECIFICATION

Product Overview	Recombinant full length Human MX1 (amino acids 1-662) with N terminal proprietary tag; Predicted MWt 98.89 kDa including the tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	662 amino acids
Description	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.
Form	Liquid
Molecular Mass	98.890kDa inclusive of tags
AA Sequence	MVVSEVDIAKADPAAASHPLLLNGDATVAQKNPGSVAENN LCSQYEEKVRPCIDLID SLRALGVEQDLALPAIAVIGDQS SGKSSVLEALSGVALPRGSGIVTRCPLVLKLKKLV NEDKW RGKVSYQDYEIEISDASEVEKEINKAQNAIAGEGMGISHE LITLEISSRDVPD LTLIDLPGITRVAVGNQPADIGYKIKT LIKKYIQRQETISLVVVPSNVDIATTEALSMAQ EVDPEGD RTIGILTKPDLVDKGTEDKVVDVVRNLVFHLKKGYMIVKC RGQQEIQDQ

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	LSLSEALQREKIFFENHPYFRDLLEEGKATV PCLAEKLTSELITHICKSLPLLENQIKET HQRITEELQKY GVDIPEDENEKMFFLIDKINAFNQDITALMQGEETVGEED IRLFTRL RHEFHKWSTIIENNFQEGHKILSRKIQKFENQY RGRELPGFVNYRTFETIVKQQIKAL EEPAVDMLHTVTDMV RLAFTDVSIKNFEEFFNLHRTAKSKIEDIRAEQEREGEKL 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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MIM	147150
UniProt ID	P20591

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