

Recombinant Full Length Human MX1 Protein, GST-tagged

Cat. No. MX1-6629HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MX1 full-length ORF (NP_002453.1, 1 a.a. - 662 a.a.) recombinant protein with GST-tag at N-terminal.
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. [provided by RefSeq]
Molecular Mass	101.9 kDa
AA Sequence	MVVSEVDIAKADPAAASHPLLLNGDATVAQKNPGSVAENNLCSQYEEKVRPCIDLID SLRALGVEQDLALPAIAVIGDQSSGKSSVLEALSGVALPRGSGIVTRCPLVLKLLKLV NEDKWRGKVSQDYIEISDASEVEKEINKAQNAIAGEGMGISHELITLIESSRDVPDL TLIDLPGITRVAVGNQPADIGYKIKTLIKKYIQRQETISLVVPSNVDIATTEALSMAQEV DPEGDRITIGILTKPDLVDKGTEDKVVDVVRNLVFHLKKGYMIVKCRGQQEIQDQLSL SEALQREKIFFENHPYFRDLLEEGKATVPCLAEKLTSELITHICKSLPLENQIKETHQ

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RITEELQKYGVDPEDENEKMFLLDKINAFNQDITALMQGEETVGEEDIRLFTRLRHE
 FHKWSTIIENNFFQEGHKILSRKIQKFENQYRGRELPGFVNRYRTFETIVKQQIKALEEPA
 VDMLHTVTDMVRLAFTDVSINKFEEFFNLHRTAKSKIEDIRAEQEREKEKLIRLHFQM
 EQIVYCQDQVYRGALQKVREKELEEEKKKKSDFGAFQSSSATDSSMEEIFQHLMA
 YHQEASKRISSHIPLIIQFFMLQTYGQQLQKAMLQLLQDKDTYSWLLKERSDTS DKR
 KFLKERLARLTQARRRLAQFPG

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; myxoma
 resistance protein 1; interferon-regulated resistance GTP-binding protein MxA; MX;
 IFI78; IFI-78K;

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Gene ID	4599
mRNA Refseq	NM_001144925
Protein Refseq	NP_001138397
MIM	147150
UniProt ID	P20591

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