

# Recombinant Human MX1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MX1-491H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | MX1 MS Standard C13 and N15-labeled recombinant protein (NP_001138397) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | This gene encodes a guanosine triphosphate (GTP)-metabolizing protein that participates in the cellular antiviral response. The encoded protein is induced by type I and type II interferons and antagonizes the replication process of several different RNA and DNA viruses. There is a related gene located adjacent to this gene on chromosome 21, and there are multiple pseudogenes located in a cluster on chromosome 4. Alternative splicing results in multiple transcript variants. |
| <b>Molecular Mass</b>   | 75.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MVVSEVDIAKADPAAASHPLLLNGDATVAQKNPGSVAENNLCSQYEEKVRPCIDLID<br>SLRALGVEQDLALPAIAVIGDQSSGKSSVLEALSGVALPRGSGIVTRCPLVLKLLKLV<br>NEDKWRGKVSQDYIEISDASEVEKEINKAQNAIAGEGMGISHELITLSSRDVPDL<br>TLIDLPGITRVAVGNQPADIGYKIKTLIKKIYIQRQETISLVVPSNVDIATTEALSMAQEV<br>DPEGDRITIGILTKPDLVDKGTEDKVVDVVRNLVFHLKKGYMIVKCRGQQEIQDQLSL<br>SEALQREKIFFENHPYFRDLLLEEGKATVPCLAEKLTSELITHICKSLPLENQIKETHQ<br>RITEELQKYGVDIPEDENEKMFLLIDKINAFNQDITALMQGEETVGEEDIRLFTRLRHE                                               |

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FHKWSTIIENNFQEGHKILSRKIQKFENQYRGRELPGFVNYRTFETIVKQQIKALEEPA  
VDMLHTVTDMMVRLAFTDVSINKFEEFFNLHRTAKSKIEDIRAEQEREKEKLIRLHFQM  
EQIVYCQDQVYRGALQKVREKELEEEKKKSWDFGAFQSSSATDSSMEEIFQHLMA  
YHQEASKRISSHIPLIQFFMLQTYGQQLQKAMLQLLQDKDTYSWLLKERSDTSDDR  
KFLKERLARLTQARRRLAQFPGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** MX1 MX dynamin like GTPase 1 [ Homo sapiens (human) ]

**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;

**Gene ID** 4599

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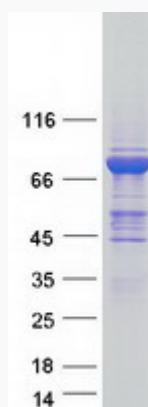
mRNA Refseq [NM\\_001144925](#)

Protein Refseq [NP\\_001138397](#)

MIM [147150](#)

UniProt ID [P20591](#)

SDS-PAGE



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