

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

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

SPECIFICATION

Product Overview	MX1 MS Standard C13 and N15-labeled recombinant protein (NP_001138397) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	75.3 kDa
AA Sequence	MVVSEVDIAKADPAAASHPLLLNGDATVAQKNPGSVAENNLCSQYEEKVRPCIDLID SLRALGVEQDLALPAIAVIGDQSSGKSSVLEALSGVALPRGSGIVTRCPLVLKLLKLV NEDKWRGKVSQDYIEISDASEVEKEINKAQNAIAGEGMGISHELITLSSRDVPDL TLIDLPGITRVAVGNQPADIGYKIKTLIKKIYIQRQETISLVVPSNVDIATTEALSMAQEV DPEGDRITIGILTKPDLVDKGTEDKVVDVVRNLVFHLKKGYMIVKCRGQQEIQDQLSL SEALQREKIFFENHPYFRDLLLEEGKATVPCLAEKLTSELITHICKSLPLENQIKETHQ RITEELQKYGVDIPEDENEKMFLLIDKINAFNQDITALMQGEETVGEEDIRLFTRLRHE

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FHKWSTIIENNFAQEGHKILSRKIQKFENQYRGRELPGFVNYRTFETIVKQQIKALEEPA
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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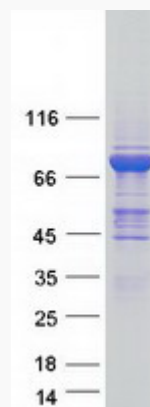
mRNA Refseq [NM_001144925](#)

Protein Refseq [NP_001138397](#)

MIM [147150](#)

UniProt ID [P20591](#)

SDS-PAGE



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