

## Product datasheet for **TP307418**

### MX1 (NM\_002462) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse) (MX1), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207418 representing NM_002462 Red=Cloning site Green=Tags(s)

MVSEVDIAKADPAAASHPLLLNGDATVAQKNPGSVAENNLCSQYEEKVRPCIDLIDSLRALGVEQDLAL  
PAIAVIGDQSSGKSSVLEALSGVALPRGSGIVTRCPLVLKLLKLVNEDKWRGKVSQDYIEISDASEVE  
KEINKAQNAIAGEGMGISHELITLLEISSRDVPLDLDLPGITRVAVGNQPADIGYKIKTLIKKYIQRQE  
TISLVVPSNVDIATTEALSMAQEVDPEDRTIGILTKPDLVDKGTEDKVDVVRNLVFLHKKGYMIVKC  
RGQQEIQDQLSLSEALQREKIFFENHPYFRDLLEEGKATVPCLAEKLTSELITHICKSLPLENQIKETH  
QRITEELQKYGVDPEDENEKMFLLDKINAFNQDITALMQGEETVGEEDIRLFTLRHEFHKWSTIEN  
NFQEGHKILSRKIQKFENQYRGRELPGFVNYRTFETIVKQQIKALEEPAVDMLHTVDTMVRLAFTDVSIK  
NFEFFNLHRTAKSKIEDIRAEQEREKELIRLHFQMEQIVYQCQDQVYRGALQKVREKELEEEKKKSWD  
FGAFQSSATDSSMEEIFQHLMAYHQEASKRISSHIPLIIQFFMLQTYGQQLQKAMLQLLQDKDTYSWLL  
KERSDTSKRRKFLKERLARLTQARRRLAQFPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	75.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_002453](#)

**Locus ID:** 4599

**UniProt ID:** [P20591](#)

**RefSeq Size:** 2787

**Cytogenetics:** 21q22.3

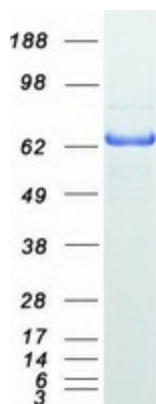
**RefSeq ORF:** 1986

**Synonyms:** IFI-78K; IFI78; IncMX1-215; MX; MxA

**Summary:** 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. [provided by RefSeq, Sep 2013]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified MX1 protein (Cat# TP307418). The protein was produced from HEK293T cells transfected with MX1 cDNA clone (Cat# [RC207418]) using MegaTran 2.0 (Cat# [TT210002]).