

Product datasheet for **TP307418L**

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, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207418 representing NM_002462 Red=Cloning site Green=Tags(s)

MVSEVDIAKADPAAASHPLLLNGDATVAQKNPGSVAENNLCSQYEEKVRPCIDLIDSLRALGVEQDLAL
PAIAVIGDQSSGKSSVLEALSGVALPRGSGIVTRCPLVLKLLKLVNEDKWRGKVSQDYIEISDASEVE
KEINKAQNAIAGEGMGISHELITLLEISSRDVPLDLIDLPGITRVAVGNQPADIGYKIKTLIKKYIQRQE
TISLVVPSNVDIATTEALSMAQEVDPEDRTIGILTKPDLVDKGTEDKVDVVRNLVFLHKKGYMIVKC
RGQQEIQDQLSLSEALQREKIFFENHPYFRDLLEEGKATVPCLAEKLTSELITHICKSLPLENQIKETH
QRITEELQKYGVDIPEDENEKMFLLDKINAFNQDITALMQGEETVGEEDIRLFTRLRHEFHKWSTIEN
NFQEGHKILSRKIQKFENQYRGRELPGFVNYRTFETIVKQQIKALEEPAVDMLHTVDTMVRLAFTDVSIK
NFEFFFNHRTAKSKIEDIRAEQEREKELIRLHFQMEQIVYQCQDQVYRGALQKVREKELEEEKKKSWD
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

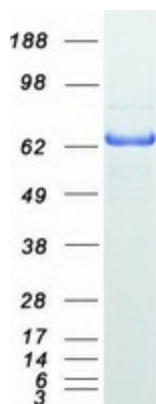
RefSeq ORF: 1986

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]).