

Product datasheet for **SC336519**

MX1 (NM_001282920) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MX1 (NM_001282920) Human Untagged Clone
Tag:	Tag Free
Symbol:	MX1
Synonyms:	IFI-78K; IFI78; IncMX1-215; MX; MxA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336519 representing NM_001282920.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

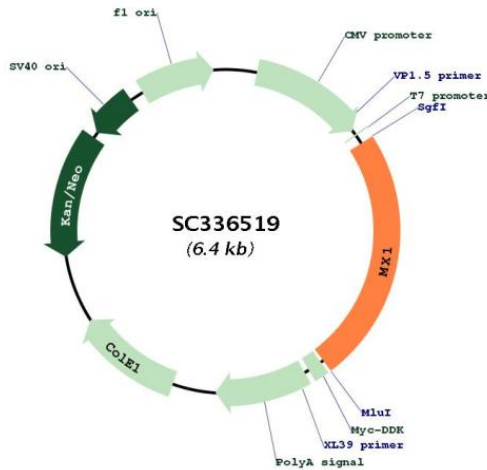
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:

NM_001282920

Insert Size:	1527 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001282920.1
RefSeq Size:	1998 bp
RefSeq ORF:	1527 bp
Locus ID:	4599
UniProt ID:	P20591
Cytogenetics:	21q22.3
Protein Families:	Druggable Genome
MW:	55.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and lacks three exons in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (b, also known as varMxA) is shorter and has a distinct C-terminus, compared to isoform a. This variant is supported by data in PMID: 20603636.</p>