

Product datasheet for **SC329046**

MX1 (NM_001178046) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MX1 (NM_001178046) Human Untagged Clone
Tag:	Tag Free
Symbol:	MX1
Synonyms:	IFI-78K; IFI78; IncMX1-215; MX; MxA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001178046, the custom clone sequence may differ by one or more nucleotides

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ATGGTTGTTTCCGAAGTGGACATCGCAAAAGCTGATCCAGCTGCTGCATCCCACCCTCTA
T TACTGAATGGAGATGCTACTGTGGCCAGAAAAATCCAGGCTCGGTGGCTGAGAACAAC
CTGTGCAGCCAGTATGAGGAGAAGGTGCGCCCTGCATCGACCTATTGACTCCCTGCGG
GCTCTAGTGTGGAGCAGGACCTGGCCCTGCCAGCCATCGCCGTCATCGGGGACCAGAGC
TCGGGCAAGAGCTCCGTGTTGGAGGCACTGT CAGGAGTTGCCCTCCCAGAGGCAGCGGG
ATCGTGACCAGATGCCCCGTGGTGTGAACTGAAGAACTTGTGAACGAAGATAAGTGG
AGAGGCAAGGTCAGTTACCAGGACTACGAGATTGAGATTCGGATGCTTCAGAGGTAGAA
AAGGAAATTAATAAAGCCAGAATGCCATCGCCGGGAAGGAATGGAATCAGTCATGAG
CTAATCACCTGGAGATCAGCTCCCGAGATGTCCCGGATCTGACTCTAATAGACCTTCT
GGCATAACCAGAGTGGCTGTGGCAATCAGCCTGCTGACATTGGGTATAAGATCAAGACA
CTCATCAAGAAGTACATCCAGAGGCAGGAGACAATCAGCCTGGTGGTGGTCCCCAGTAAT
GTGGACATCGCCACCACAGAGGCTCTCAGCATGGCCAGGAGGTGACCCCGAGGGAGAC
AGGACCATCGGAATCTTGACGAAGCCTGATCTGGTGGACAAAGGAACTGAAGACAAGTT
GTGGACGTGGTGCAGAACCTCGTGTCCACCTGAAGAAGGGTTACATGATTGTCAAGTGC
CGGGGCCAGCAGGAGATCCAGGACCAGCTGAGCCTGTCCGAAGCCCTGCAGAGAGAGAAG
ATCTTCTTTGAGAACCACCCATATTT CAGGGATCTGCTGGAGGAAGGAAAGGCCACGGTT
CCCTGCCTGGCAGAAAACTTACCAGCGAGCTCATCACACATATCTGTAATCTCTGCC
CTGTTAGAAAAACAATCAAGGAGACTCACCAGAGAATAACAGAGGAGCTACAAAAGTAT
GGTGTGACATACCGGAAGACGAAAATGAAAAATGTTCTTCTGATAGATAAAGTTAAT
GCCTTTAATCAGGACATCACTGCTCTCATGCAAGGAGAGGAACTGTAGGGGAGGAAGAC
ATTCGGTGTTTACCAGACTCCGACAGGTTCCACAAATGGAGTACAATAATTGAAAAC
AATTTTCAAGAAGGCCATAAAATTTT GAGTAGAAAAATCCAGAAATTTGAAAATCAGTAT
CGTGGTAGAGAGCTGCCAGGCTTTGTGAATTACAGGACATTTGAGACAATCGTGAACAG
CAAATCAAGGCACTGGAAGAGCCGGCTGTGGATATGCTACACACCGTGACGGATATGGTC
CGGCTTGCTTTCACAGATGTTTCGATAAAAAATTTGAAGAGTTTTTTAACCTCCACAGA
ACCGCCAAGTCCAAAATTGAAGACATTAGAGCAGAACAGAGAGAGAAGGTGAGAAGCTG
ATCCGCTCCACTCCAGATGGAACAGATTGTCTACTGCCAGGACCAGGTATACAGGGGT
GCATTGCAGAAGGTCAGAGAGAAGGAGCTGGAAGAAGAAAAGAAGAAGAAATCCTGGGAT
TTTGGGGCTTTCCAGTCCAGCTCGGCAACAGACTTTCCATGGAGGAGATCTTTCAGCAC
CTGATGGCTATCACCAGGAGGCCAGCAAGCGCATCTCCAGCCACATCCCTTTGATCATC
CAGTTCTTCATGCTCCAGACGTACGGCCAGCAGCTTCAGAAGGCCATGCTGCAGCTCCTG
CAGGACAAGGACCTACAGCTGGCTCCTGAAGGAGCGGAGCGACACCAGCGACAAGCGG
AAGTTCTGAAGGAGCGGCTTGACGGCTGACGCGGCTCGGCGCCGGCTTGCCAGTTC
CCCAGTTAA

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Restriction Sites: Please inquire

ACCN: NM_001178046

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001178046.1, NP_001171517.1</u>
RefSeq Size:	2683 bp
RefSeq ORF:	1989 bp
Locus ID:	4599
UniProt ID:	<u>P20591</u>
Cytogenetics:	21q22.3
Protein Families:	Druggable Genome
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 (3) lacks five exons and contains an alternate terminal exon in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same isoform (a).</p>