

Product datasheet for **RN217051**

Mx1 (NM_001271058) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mx1 (NM_001271058) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mx1
Synonyms:	IFI78
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217051 representing NM_001271058
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGAGCAGACCTCTGCATGCCGTACCAGACACCACAGAAACATCCTGATACCTCTGAAGAGAGCC
 AGGCAATGGAGTCTGTGGATAACCTCTGCAGTCAGTATGAGGAGAAGGTGCGGCCCTGCATTGACCTCAT
 CGACTCCCTGCGAGCTCTGGGTGTGGAGCAAGACCTGGCCCTGCCATCGCTGTCATCGGGGACCAG
 AGTTCAGGGAAGAGCTCTGTGCTGGAAGCACTGTCTGGAGTGGCCCTCCCAGAGGCAGTGGTATTGTTA
 CCAGGTGTCTCTGGTCTGAAATTGAAGCACTGAAGCAGGGAGAAAAATGGAGCGCAAGGTCATTTA
 TAAGGACACCGAGATTGAGATCTCACACCCTTCACTGGTAGAAAGGGAAATCAATAAAGCCAGAATTG
 ATTGCTGGGAAGGGTTGAAGATTAGCTCTGATCTCATTAGCTTGGAGGTAGCTCTCCACATGTCCAG
 ACCTGACTCTGATTGACCTTCTGGTATCACAGAGTGGCTGTGGGTGACCAGCCTGCAGACATCGAACA
 CAAGATCAAGAGACTTACTACTGAATACATCCAGAAACAGGAGACCATCAACCTGGTGGTGGTCCCAGC
 AATGTGGACATTGCCACCACAGAGGCCCTGAAAAATGGCTCAGGAGGTGGACCCTCAAGGGGATAGAACA
 TAGGGATCTTGACCAAGCCCGATCTGGTGGACAGAGGGACTGAAGACAAGGTCGTGGATGTGGTGGCGAA
 CCTCGTGTGCCACCTGAAGAAGGGCTACATGATAGTCAAGTGCAGGGGTGACGAGGACATCCAGGAGCAG
 CTGAGCCTGGCTGAGGCTCTTCAAGAGGAGCAAGTCTTCTTCAAGGAACACCCCTCAATTCAGAGTCTTC
 TCGAGGATGGGAAGGCCACAGTGCCTGCTTGGCAAAGAGACTGACCATGGAGCTCACCTCCCACATCTG
 TAAATCGCTGCCAATATTGAAAAATCAAATAAATGTGAATCATCAGATTGCGAGTGAGGAGCTGCAGAAG
 TACGGAGCAGACATACCAGAAGATGACAGTAAGAGGCTGTCCTTTCTGATGAATAAAATCAATGTCTTCA
 ATAAGGATACCTAAGTTTGGTACAAGCACAAGAAAAACATATGGAAGAAAGCCGGCTGTTCCACCA
 ACTGCGAAATGAGTTTCTTGGTGAATGATTATATTGAGGAACATTTCAAAAAAACCCCTAGGTTCTTCT
 GAGAAACACAGCCAGATGAAAAATTTGAAAGTCATTATCGTGGCCGGAACTGCCAGGGTTTGTGGACT
 ATAAGGCATTTGAGAACATTATCAAGAAGGAAGTCAAGGCCCTGGAAGAACCCGCTCTGAACATGCTGCA
 CAGGGTCACTACCATGGTCAAAAATGCCTTCAAAAGGTTTCAAAACAATTTTGGTATTTTTTAAAC
 CTCCACAGTACTGCCAAGTCCAAAATTTGAAGACATCAGATTTAGCCAAGAAAAAGAAGCCGAAAAACTGA
 TCCGACTTCACTTCCAGATGGAACACATTGTCTACTGCCAGGACCAGGCTTACAAGAAAGCCTTGAAGGA
 GATCAGAGAGAAGGAAGCTGAGAAAGAGAAGTCAACCTTTGGTGTCTTTCAAAAACTCTCCTCGAAAG
 GAGTTGACTACCACTGAGATGACCCAGCACCTGAATGCCTACTACCAGGAGTGCAGGAAGGAACATTGGGA
 GACAGATCCCTCTGATCATCCAGTACTCCTCCTGCAAACATTTGGGCAGGAAATGGAGAAAGCAATGCT
 TCAGCTTCTACAGGACACCAGTAAGTGAACCTGGTTCTGACTGAGCAGAGTGACAGCAGAGAGAAGAAG
 AAGTTCCTGAAGAGGCGGCTTTAAGGCTGGATGAGGCTCAGCGGAAGCTTGCCAAATCTCCAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001271058

Insert Size: 1959 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001271058.1, NP_001257987.1</u>
RefSeq Size:	3203 bp
RefSeq ORF:	1959 bp
Locus ID:	24575
Cytogenetics:	11q12
Gene Summary:	<p>mouse homolog is an interferon inducible gene that confers influenza resistance to mice [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All six variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>