

Product datasheet for **MC206496**

Mx1 (BC011113) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mx1 (BC011113) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mx1
Synonyms:	A1893580; Mx; Mx-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC011113
 GCCTGGAGTGTCAAGTGCCTGACCCAGTGGCAAGGCTTCCAGATTCTTCTGAATCAAACCTGTTATATC
 CAACTGGAATCCTCCTGGAAAACATACAAAGATGAGTTCTTAAGAACGTCAGAAGGAAAGAGCTGATTTT
 TTCATCCAGTCACTGGATACCAAGTAAACATCCTGATACCTCTGAGGAGAGCCAGACGATGGATTCTGTG
 AATAATCTGTGCAGGCACTATGAGGAGAAGGTGCGGCCCTGTATTGACCTCATCGACACCCTGAGGGCTC
 TGGGTGTGGAGCAGGACCTGGCCCTGCCATCGCTGTATTGGGGACCAGAGTTTCAGGAAGAGCTC
 TGTTCGGAAGCACTGTCTGGAGTGGCCCTCCCCAGAGGCAGTGGTATTGTCACCAGATGCCCTCTGGTG
 CTGAAATTGAGGAAGCTGAAAGAAGGAGAGGAGTGGAGAGGCAAAGTCTCCTATGATGACATCGAAGTGG
 AGCTCTCTGATCCTTCAGAGGTGGAAGAGGCCATTAACAAGGGTCAAGTTCATTGCTGGGGTAGGCCCT
 GGGGATCAGTGATAAGCTCATTAGCCTGGATGTCAGCTCCCCAAATGTCCAGACCTGACTCTCATTGAC
 CTGCTGGAATTACCAGGTGGCTGTAGGCAACCAGCCTGCAGACATAGGACGCCAGATCAAGAGACTTA
 TCAAGACATACATCCAAAAACAAGAGACCATCAACCTGGTGGTAGTCCCCAGCAATGTGGACATTGCTAC
 CACAGAGGCTCTGAGCATGGCTCAGGAGGTGGACCCTGAAGGGGATAGGACCATAGGGGTCTTGACCAAG
 CCTGATCTGGTGGACAGAGGTGCTGAAGGCAAGGTCTTGGATGTGATGCGGAACCTGGTGTATCCTCTGA
 AGAAGGGTACATGATAGTCAAGTGCAGAGGTGAGGAGCATCAAGAGCAGCTGAGCCTGACTGAGGC
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 ACAGTGCCTGCCTGGCAGAGAGACTGACTGAGGAGCTCACTCCACATCTGTAATCACTGCCACTAT
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 AGAAGATGACAGAACGAGGATGTCCTTTCTGGTGAATAAAATCAGTGCCTTCAATAGGAATATCATGAAT
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 AATTAAGAAATAGATTAAACCAAGAAAGGAAGCTGAAAACCTGATCCGACTTCACTCCAGATGGAA
 CAGATTGTCTACTGCCAGGACCAGGTTTACAAGGAAACCTTGAAGACGATCAGAGAGAAGGAAGCTGAGA
 AAGAGAAGACCAAGGCATTAATAAACCTGCTACCTTTCAAATAACTCTCAGTTTCTCAAAGGGGTT
 GACTACCACTGAGATGACCCAGCACCTGAAAGCCTACTACCAGGAGTGCAGACGGAATATTGGGAGACAG
 ATCCCTCTGATTATCCAGTACTTATCCTGAAAACATTTGGGGAGGAAATAGAGAAAATGATGCTTCAGC
 TTTTACAGGACACCAGTAAGTGCAGCTGGTTTCTGGAGGAGCAGAGTGCACCAGAGAGAAGAAGGTT
 CCTGAAGAGGCGGCTTTAAGGCTGGATGAGGCTCGGCAGAAGCTTGCCAAATTCCTCGATTAACCAGGC
 TAGCTATGTGGCTTCTGGTCTGTGCAATGATCCTTTAGCTGCTAACCTTATGTCAGAAATGTTGCCT
 TTAGACTGTGGAAGCAAGCAAGCCCTTTGTAAACTCTGAGGAGATGAGGAGAGAGGACTATGGAGAGTC
 ATTCTACTTCAGCAGGAAGACATGACCCCTCAAAGCCTAGGAGGATGGCACCTCTCAGGATCCTGCTCC
 TAACTGTCTTTTCTTGTGAGGAGGATGTACTGGCTGAGCACCTCAGAAGGGTCGGCTTCTGGTTTTGTA
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 TTTTTTTGCAAAAATTTAACAAGGATCCACCTCTCTTTAGCCACCACCCATCAGAGGTAGTGGAA
 GAGAAAAGTTATTAGGCTATGGAGGAAGTGGACCTGTTTCAGCAATAGTTCTTTGGGGCGAGCTCAGTCT
 TCCTTGGCAGCAGTTCAGTCCCATAACAACACCAAGTATGACTCAGCAGCTGCAGACCAGTCCCTAGG
 CAGGCAGACACCACATACAACCAGCAGCTATAGTCCAGTCTTTCCACAGGCAGAAACCAAGAAATGAATC
 AGCAGCTGAAGTTCAATCTTGTGAAAGCTTGCCATCTAGCCTGAGGTGAGGCTGCAGAAGCAACAAACT
 GCTGCAGGATCCTCACAAGTAGTTCTTAGGTGAGTTTCTCCCAATGTCGGTGTACCACAAGTGGAGCTC
 AACCATGCTATGTAAGGCAAACCATTCATGCATGTTGATAGTAAAGAATAGCTAGACAGAGCAAACCAA
 GCCAAGGCTCCGTTGCTCATCTCCGACTGTTTGTGAGGTCAATTTATACTCCTTCATCATGGGTCTTT
 CATGTATTTGCAATGTCATATGAAAGCATCTTTACGCTGTGTCTGCTTCAGGGAACATTTCTTTCATGT
 GTTTGCTTCAGCAAGACATCATTTACCTGTGTACCCAGCAAACATCATTTGATATAACTTTCCAAGG
 AAACCTGGAAGTTCCACTTAGCGCTTCCAATAAAATTTCTTGTAAAGTGCAAAAAAAAAAAAAAAAAAAAA AAAA

Restriction Sites: EcoRI-NotI
ACCN: BC011113
Insert Size: 1896 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:	BC011113 , AAH11113
RefSeq Size:	3224 bp
RefSeq ORF:	1896 bp
Locus ID:	17857
Cytogenetics:	16 57.46 cM
Gene Summary:	This gene encodes a member of the Mx protein family of large GTPases, and functions in the innate immunity system. Interferon alpha/beta treatment or viral infection induces expression of this protein, which subsequently accumulates in the cytoplasm and inhibits viral replication. It has been shown to confer resistance to the influenza virus. This gene produces a functional protein in some feral mouse strains, whereas some inbred mouse strains including the strain of the reference genome, C57BL/6J, contain a deletion or a nonsense mutation that results in a non-functional gene product. [provided by RefSeq, Aug 2015]