

## Product datasheet for **RN213953**

### **Mx2 (NM\_134350) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mx2 (NM_134350) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mx2
Synonyms:	Mx3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213953 representing NM\_134350  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTTCTTAGCACAGAGAAAACAGGAGTGTGATTTAGTCAACTTACCCAGTGTCCACTGCCGATG  
 GAGAGGCTGGCGTAGGGGAGAACAACAAGGATTCCTTGAACAACCTCTGCAGTCAGTATGAGGAGAAGGT  
 GCGGCCCTGCATTGACCTCATCGACTCCCTGCGAGCTCTGGGTGTGGAGCAAGACCTGGCCCTGCCTGCC  
 ATCGCTGTATCGGGGACCAGAGTTCAGGGAAGAGCTCTGTGCTGGAAGCACTGTCTGGAGTGGCCCTCC  
 CCAGAGGCAAGTATTGTACCCAGATGTCCCCTGGTGTGAAATTGAAGAAGCTGAATCAGGGAGAGGA  
 GTGGAAGGCAAAGTACCTATGATGACATCGAAGTGGAGCTCTCTGATCCTTCAGAGGTGGAAGAGGCC  
 ATCAACACAGGTCAGAACCATATTGCTGGGGTAGGGCTGGGGATCAGTGATAAACTCATTAGCCTGGATG  
 TCAGCTCCACACGTCCAGACCTGACTCTGATTGACCTTCTGGAATCACCAGGTGGCTGTAGGCAA  
 CCAGCCTGCAGACATAGGACGGCAGATCAAGAGACTTATCACTAACTACATCCAAAAACAAGAGACCATC  
 AACCTGGTGGTGGTCCCAAGCAATGTGGACATTGCCACCACAGAGGCCCTGAGCATGGCTCAGAAGGTGG  
 ACCCTGATGGGGATAGGACCATAGGGATCTTGACCAAGCCTGATCTGGTGGACAGAGGGACTGAAGACAA  
 GGTCTGGATGTGGTGGGAACCTCGTGTGCCACCTGAAGAAGGGCTACATGATAGTCAAGTGCAGGGGT  
 CAGCAGGACATCCAGGAGCAGCTGAGCCTGGCTGAGGCTCTCAGAAGGAGCAAGTCTTCTCAAGGAAC  
 ACCCTCAATTCAGAGCTCTTCTGGAGGATGGGAAGGCCACAGTGGCCCTGCCTGGCAGAGAGGCTGACCAT  
 GGAGCTCATCTCACACATCTGTAATCTCTTCTTTGTTAGAAAAACAATAAAGGAAAGTCAACAGAGT  
 ACAAGTGAAGGAGTGCAGAAGTATGGTGCAGACATACCAGAAGTGAAGTGAAGGAAAGTCACTCTCTGTA  
 TTGAAAAAATCAATGCTTTTAAACCAGGACATCACTGCCATAGTAGAAGGGGAAGAGATTGTGAGGGAGAA  
 AGAATGTCGCCTATTCACCAAGCTCCGTAAGAGTTCCTTCTTGTGGAGTGAAGGAGATCGAAAGGAATTTT  
 CAAAAAGTTCTGATGCTTTATATAAAGAAGTCTACACATTGCAATGCAAGTATCGTGGCCGAGAATAC  
 CAGGGTTTGTGAATTACAAAACATTTGAGAACATCATAAGAAGACAAATCAAAACCTGGAAGAACCAGC  
 TATGGAATGCTTACAAGGTCAGTAAATGTACGGGCTGCCTTTACAACGGTTTCTGAGAAAAATTTT  
 TCTGAGTTTTTAACTCCACAGAACTACCAAGTCCAACTTGAAGACATCAGATTAGAACAGGAAACGG  
 AAGCAGAGAAGGCGATCCGGCTCACTTCCAGATGGAACAATCATCTACTGCCAGGACCAATTTATAG  
 GAAAGCCTTGAGAAGGTGAGAGAGGAGGAAGCTGAGGAGGAGGAGGAAGCATGGCAAAAGCAGGTCC  
 GCTCAGTCCCAATTTACAGACCTCATCCATGGATGAAATCTTCCAGCATCTGAATGCCTACCGCCAGG  
 AGGCTCACAACTGCATCTCCAGCCACATTCATTGATCATCCAGTATTTTCATCTTGAAGATGTTTGTGA  
 GAAGTGCAGAAGGGCATGCTCCAGCTCCTGCAGGACAAGGATTCCTGCAGCTGGCTCCTGAAGGAAAAAG  
 AGTGACACCAGTGAAGAGGAGATTCTGAAGGAGCGGTTGGCAAGGCTGGCCCAAGCTCAGCGCAGGC  
 TAGCCAAATTCCTGGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_134350
- Insert Size:** 1980 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:**

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\\_134350.2](#), [NP\\_599177.2](#)

**RefSeq Size:** 2623 bp

**RefSeq ORF:** 1980 bp

**Locus ID:** 286918

**Cytogenetics:** 11q12

**Gene Summary:** involved in inhibiting vesicular stomatitis virus [RGD, Feb 2006]