

## Product datasheet for MR203592

### Mxi1 (NM\_001008543) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Mxi1 (NM\_001008543) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Mxi1  
Synonyms: bHLHc11; Gm10197; Mad2  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >MR203592 representing NM\_001008543  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCCCGGCCGCGCCGCGCCCCAGCCCCGGCGCAGCCGGAGGAGCCGGCGGGGCCAAGCCCCGGT  
GCCCTTCTCGGACATTTTCAACACCAGCGAGAAGCTCGATGGAGAAGCACATCAACTTTTCTGCAGAA  
CGTGCAGATTCTGCTCGAGGCAGCCAGCTACCTGGAGCAGATCGAGAAAACAAAAAGTGTGAACAT  
GGCTACGCCTCATCGTTCCCTCCATGCCGAGCCCCGGCTACAGCACTCGAAGCCCCACGGAGGTTGA  
GCCGGGCACAGAAACACAGCAGTGAAGCAGCAACACCAGCACTGCCAACAGATCTACACACAATGAGTT  
GGAAAAGAACCGACGAGCTCACCTGCGCCTGTGTTTAGAACGCTTGAAGTTCTGATCCCGCTGGGCCCA  
GACTGCACCAGGCACACAACACTCGGTTTGCTCAACAAAGCCAAAGCACACATCAAGAACTTGAAGAAG  
CGGAGAGGAAGAGCCAGCACCAGCTAGAGAAGTGAACGAGAACAGAGGTTTTTAAAGCGGCGACTGGA  
ACAGCTGCAGGGGCTCAGGAGATGGAGCGGATACGAATGGACAGCATTGGATCAACCATCTCTTCAGAT  
CGCTCGGATTAGAGCGAGAGGAGATTGAAGTGGATGTGAAAGCACAGAGTTCTCCATGGAGAAGCAG  
ACAGTGTGAGTACCACCAGCATCAGTGACCTTGACGACCACAGCAGCCTGCAGAGTGTGGGAGTGACGA  
GGGTTATTCCAGTGCCAGTGTCAAACCTCCTTCGCGTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203592 representing NM\_001008543  
Red=Cloning site Green=Tags(s)

MPPAAAAPQPPAQPEEPAGAKPRCPFSDIFNTSENSMEKHINTFLQNVQILLEAASYLEQIEKENKKCEH  
 GYASSFSPMPSRLQHSKPPRRLSRAQKHSSGSSNTSTANRSTHNELEKNRRAHLRLCLERLKVLIPLGP  
 DCTRHTTLGLLNKAKAHIKKLEEAERKSOHQLENLEREQRFLLKRRLEQLQGPQEMERIMDSIGSTISSD  
 RSDSEREEIEVDVESTEFSHGEADSVTTSISDLDDHSSLQSVGSDEGYSSASVKLSFAS

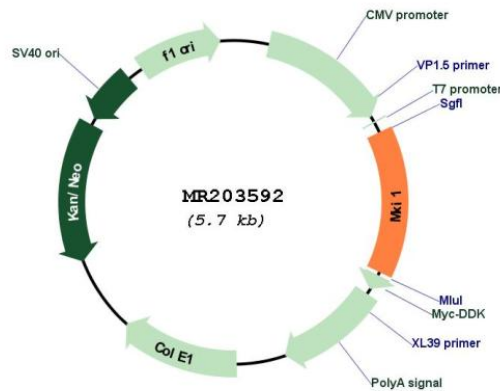
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001008543  
**ORF Size:** 810 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq Size:</b>	4843 bp
<b>RefSeq ORF:</b>	579 bp
<b>Locus ID:</b>	17859
<b>UniProt ID:</b>	<a href="#">P50540</a>
<b>Cytogenetics:</b>	19 47.53 cM
<b>MW:</b>	22.1 kDa
<b>Gene Summary:</b>	This gene encodes a protein containing a helix-loop-helix domain characteristic of transcription factors, which allows heterodimerization and sequence-specific DNA binding. The encoded protein is related to a family of Myc/Max/Mad proteins that are involved in the regulation of several cellular processes. The protein encoded by this gene is a transcriptional repressor thought to negatively regulate Myc function. Three alternatively spliced transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]