

## Product datasheet for **MC200677**

### Mad111 (NM\_010752) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mad111 (NM_010752) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mad111
Synonyms:	A1173502; AW550425; Mad1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC010702 sequence for NM\_010752  
 GGGAGATCTGAGCGGCTGCTGCAGCACCGGGCTCCTCAACTGAGAAGGAGGCTGACCATGGAAGACCTCG  
 GGGAGAACACCACAGTCTCTCCTCCCTGAGATCTCTGAACAACCTTCATTTCTCAGCGAATGGAGGGAAC  
 ATCAGGCTGGATGTGTCCACGTCTGCCTCAGGGTCCCTACAGAAGCAGTATGAGTATCACATGCAGCTG  
 GAGGAAAGAGCAGAGCAGATCCGCTCAAAGTCTACCTCATCCAAGTGGAGCGGGAGAAGATGCAGATGG  
 AGCTGAGCCACAAGAGAGCCCGAGTGGAGCTGGAGAGAGCAGCCAGCACAATGCCAGGAACTACGAGCG  
 CGAGGTAGATCGCAACCAGGAGCTCCTGGCAGCATTTCGACAGCTCCAGGAGTGTGAGGCCACAGCAGAA  
 GAGAAGATGCGGGAGCAGCTGGAGCGCCACAGGCTGTGCAAGCAAAACCTGGATGCTGTCAGTCAGCAGC  
 TCGGGAAACAGGAGGACAGCCTGGCTTCGGCCAGGGAGATGATTAGTTTCATTGAAGGGCGTGTCTCGGA  
 GCTGCAGTTGAGTGCCATGGACCAGAAGGTACAGGTCAAGCGGCTGGAGTCTGAAAAGCAGGAGCTGAAG  
 GAGCAGCTGGAGCTGCAGCAGCGGAAAATGGCAAGAGGCAAATCAGAAGATCCAGGAGCTGCAGGCCAGTC  
 AAGATGAGAGAGCTGAGCATGAGCAGAAGATTAAGGACCTGGAGCAGAAGCTGTGTCTACAAGAGCAGGA  
 TGCAGCTGTGGTGAAGAGCATGAAGTCTGAGCTGATGCGGATGCCAGGATGGAGCGTGAAGAGG  
 CTGCATGAAGAGAACACTCATCTAAGGGAGATGAAGGAGACCAATGGGCTGCTCACAGGAGCTGGAAG  
 GTCTGCAGAGGAACTGAGCCGGCAGGAGAAGATGCAGGAGGCTCTGGTTGACCTGGAGTTGAAAAGGA  
 GAAGTACTTGCAAAGCTGCAGAGCTGGGAGAACCTGGACCAGACCATGGGCTTGAATCTCAGGACTCCA  
 GAGGACCTTTCTAGGTTGCGTGGTTGAGCTACAGCAGCGAGAGCTCACCTGAAGGAGAAGATAACAGCA  
 TCACCAGCAGTGCCCGGGTCTGGAGAAGTCCAGCAGCAGCTCCAGGATGAGGTCGGCAGGCCAATGC  
 ACAGCTGCTGGAGGAGCGGAAAAGAGGGAGACACATGAGGCACTTGCCCGAAGGCTCCAGAAGCGCAAT  
 GCATTGCTGACCAAGGAGAGAGATGGCATGCGTGCATCCTGGGATCCTACGACAGTGAAGTGAAGGATG  
 CTGAGTACTCAACCCAGCTGACACAGCGCTGTGGGAGGCCGAGGACATGGTTCAGAAGTACATGCCCA  
 CAGCTCGGAGATGGAGGCTCAGCTGTCTCAGGCCCTGGAGGAGCTTGGGTTGAGAAGCAGAGAGCTGAC  
 AAGAGGAGGTGGATGCACCTCAGGTTGAAGGTGGAGGAGCTGGAGGGTGAAGCGGAGCCGCTGGAACAGGA  
 AAAGCAGGTGCTGGAGATGCAGATGGAGAACTAACCTACAGGGTGAACAACAGAGTGAACCAAA  
 GTGCTACACATGAGCCTTAACCAATCAGCATGGCCAGGCAACGCCAGCATGAGGACCATGACCGGCTGC  
 AGGAGGAATGTGAGCGCTTACGGGGACTTGTGCATGCCCTGGAGAGAGGGGGCCCATCCCTGCTGACCT  
 GGAGGCTGCCTCCAGTCTGCCCTCATCAAAGGAGGTGGCAGAGCTGCGGAAGCAGGTGGAAGTGTGAG  
 CTGAAGAACCAGCGGCTGAAGGAGGTTTTCCAGACCAAGATCCAGGAGTCCGCAAAGTTTGCTACACGC  
 TGACCGGCTACCAGATTGACGTGACCACGGAGAGCCAATACCGCCTCACCTCCCGATACGCTGAGCACA  
 GACGGACTGCCTCATCTCAAGGCCACAGGACCTCGGGTCCAAGATGCAGCTGCTGGAGACAGAGTTC  
 TCACGGTCTGTGCTGAGCTCATTGAACTGCACCTGCTGCAGCAGGACAGCATCCCTGCCTTCTCAGTG  
 CGCTACCATAGAGCTGTTGAGCCGCCAGACCTTATCTAGCCTTCCCATGAGCATCTTCACTACAGC  
 CGCTGGACCTCGGCTAGCCTGTACCTGCAGCTTCTCACATGCAGCCCCAGACCTTGAGCCAGCTCTTG  
 GTCTACAGTTGCCACATCATCCCAGATCCCTTTGCCACCCATAGCTGCATCATGTCAAAACACTAGC  
 CGTGGCCTCTGCTCAAGCAGCCACTGTCTTGTCCCTGGCTAGCAGGAGCAAGTACTGGGGATGACCA  
 AGCCAGATCATACCCACTACTCCTCCCTACCCACCCATTCTAGAGCCGCTCCAGTACTGTCCCA  
 AGGTGTACCCAGCCTCCAGTCCCATGCGCTGGTTGCTTAGGCTTCAGTGGCCAGACTGTAGCCTGTGTC  
 CACAGTCTCAGACTAATGAAATAAAGTGTACCTTTATCTTCTTAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_010752

**Insert Size:** 2154 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).

<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:</b>	<u>BC010702</u> , <u>AAH10702</u>
<b>RefSeq Size:</b>	2693 bp
<b>RefSeq ORF:</b>	2154 bp
<b>Locus ID:</b>	17120
<b>UniProt ID:</b>	<u>Q9WTX8</u>
<b>Cytogenetics:</b>	5 78.82 cM
<b>Gene Summary:</b>	<p>Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. May recruit MAD2L1 to unattached kinetochores. Has a role in the correct positioning of the septum. Required for anchoring MAD2L1 to the nuclear periphery. Binds to the TERT promoter and represses telomerase expression, possibly by interfering with MYC binding.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a).</p>