

## Product datasheet for MC210019

### Mad2l1 (NM\_019499) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mad2l1 (NM_019499) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mad2l1
Synonyms:	AA673185; MAD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210019 representing NM_019499 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCACAGCAGCTCGCCGAGAGCAAGGCATCACCTGCGTGGGAGCGCAGAAATCGTGGCCGAGTTTT  
TCTCATTTGGCATCAACAGCATTTTGTATCAGCGTGGCATTATCCGTCGGAAACCTTTACTAGAGTGCA  
GAAATATGGACTCACCTTGCTTACAACACTGACCCCGAGCTCATAAAGTATCTCAATAATGTGGTGGAA  
CAGCTAAAAGAGTGGCTGTACAAGTGCTCAGTTCAGAAACTGGTGGTGGTCATCTCAAATATTGAAAGTG  
GTGAAGTCCTTGAAAGATGGCAGTTTGATATTGAGTGTGACAAAAGGGAAGGTGTTTCGTAG  
AGAAAAGTCCCAGAAAGCCATACAGGATGAAATTCGCTCAGTGATTAGACAGATTACAGCTACTGTGACA  
TTTCTGCCACTGTTGGAAGTTTCTGTTCTTTGATCTGCTGATTTACACTGACAAAGACTTGGTGGTAC  
CTGAAAAGTGGGAAGAATCGGGACCGCAATTTATTACCAATTGTGAAGAAGTCCGCTACGCTCATTTAC  
AACCACAATCCATAAAGTGAATAGTATGGTGGCCTACAAAACCCCTGTCAATGAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja2808_b01.zip">https://cdn.origene.com/chromatograms/ja2808_b01.zip</a>
Restriction Sites:	SgfI-MluI
ACCN:	NM_019499
Insert Size:	618 bp



[View online »](#)

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

**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\\_019499.4](#), [NP\\_062372.2](#)

**RefSeq Size:** 1725 bp

**RefSeq ORF:** 618 bp

**Locus ID:** 56150

**UniProt ID:** [Q9Z1B5](#)

**Cytogenetics:** 6 30.56 cM

**Gene Summary:** Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. Required for the execution of the mitotic checkpoint which monitors the process of kinetochore-spindle attachment and inhibits the activity of the anaphase promoting complex by sequestering CDC20 until all chromosomes are aligned at the metaphase plate (By similarity).[UniProtKB/Swiss-Prot Function]