

Product datasheet for **SC301910**

MAD1 (MAD1L1) (NM_001013837) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAD1 (MAD1L1) (NM_001013837) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAD1L1
Synonyms:	MAD1; PIG9; TP53I9; TXBP181
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

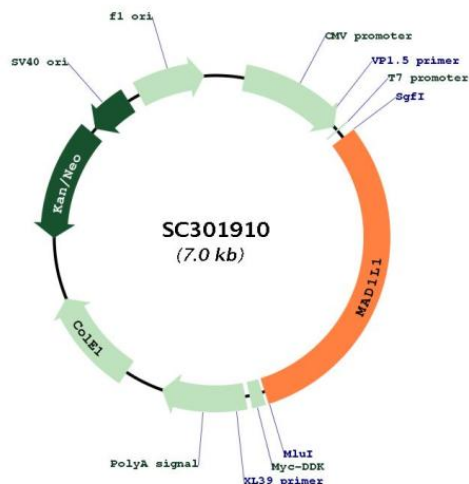


[View online »](#)

Fully Sequenced ORF: >SC301910 representing NM_001013837.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAAGACCTGGGGGAAAACACCATGGTTTTATCCACCCTGAGATCTTTGAACAACTTCATCTCTCAG
CGTGTGGAGGGAGGCTCTGGACTGGATATTTCTACCTCGGCCCCAGGTTCTCTGCAGATGCAGTACCAG
CAGAGCATGCAGCTGGAGGAAAGAGCAGAGCAGATCCGTTTCAAGTCCCACCTCATCCAGGTGGAGCGG
GAGAAAATGCAGATGGAGCTGAGTCACAAGAGGGCTCGAGTGGAGCTGGAGAGAGCAGCCAGCACCAGT
GCCAGGAACACGAGCGTGGAGTCGACCGCAACCAGGAGCTCCTGACGCGCATCCGGCAGCTTCAGGAG
CGGGAGGCCGGGGCGGAGGAGAAGATGCAGGAGCAGCTGGAGCGCAACAGGCAGTGTGAGCAGAATTG
GATGCTGCCAGCAAGAGGCTGCGTGAGAAAAGGACAGCTGGCCAGGCTGGCAGACCATCAACGCA
CTGAAGGGGAGGATCTCGGAACGCAGTGGAGCGTGTGACCAGGAGATGCGGGTGAAGCGCTGGAG
TCGGAGAAGCAGGAGCTGCAGGAGCAGCTGGACCTGCAACACAAAAAATGCCAGGAAGCCATCAGAAA
ATCCAGGAACCCAGGCCAGCAAGAAGCAAGAGCAGACCACGAGCAGCAGATTAAGGATCTGGAGCAG
AAGCTGTCCCTGCAAGAGCAGGATGCAGCGATTGTGAAGAACATGAAGTCTGAGCTGGTACGGCTCCCT
AGGCTGGAACGGGAGCTGAAGCAGCTGCGGGAGGAGAGCGCGCACCTGCGGGAGATGAGAGAGACCAAC
GGGCTGCTCCAGGAAGAGCTGGAAGGGCTGCAGAGGAAGCTGGGGCGCCAGGAGAAGATGCAGGAGACG
CTGTTGGCTTGGAGCTGGAGAACGAGAGGCTGCTGGCCAAGCTGCAAAGCTGGGAGAGACTGGACCAG
ACCATGGGCTGAGCATCAGGACTCCAGAAGACCTTCCAGATTCGTGGTTGAGCTGCAGCAGAGGGAG
CTTGCTTGAAGGACAAGAACAGCGCCGTACCAGCAGCGCCCGGGGGCTGGAGAAGGCCAGGCAGCAG
CTGCAGGAGGAGCTCCGGCAGGTGAGCGCCAGCTGTTGGAGGAGAGGAAGAAGCGGAGACCCACGAG
CGCTGGCCCGGAGGCTCCAGAAAACGGTCTCTGCTGCTCACCAGGAGCGGGACGGTATGCGGGCCATC
CTGGGGTCTACGACAGCGAGCTGACCCCGCCGAGTACTACCCAGCTGACGCGGCGCATGCGGGAG
GCTGAGGATATGGTGCAGAAGGTGCACAGCCACAGCGCCGAGATGGAGGCTCAGCTGTGCGAGGCCCTG
GAGGAGCTGGGAGGCCAGAAAACAAGAGCAGACATGCTGGAGATGGAGCTGAAGATGCTGAAGTCTCAG
TCCAGCTCTGCCGAACAGAGCTTCTGTTCTCCAGGGAGGAGGCGGACACGCTCAGGTTGAAGGTCGAG
GAGCTGGAAGGGCAGCGGAGTGGCTGGAGGAGGAAAAGAGGATGCTGGAGGCACAGCTGGAGCGGCGA
GCTCTGCAGGGTACTATGACCAGAGCAGGACCAAGTGTGCACATGAGCTGAACCCACCAGTGTG
GCCAGGCAGCGCTGCGCGAGGACCACAGCCAGCTGCAGGCGGAGTGCAGCGACTGCGCGGGCTCCTG
CGGCCATGGAGAGAGGAGGCACCGTCCCAGCCGACCTTGAGGCTGCCGCGCGAGTCTGCCATCGTCC
AAGGAGGTGGCAGAGCTGAAGAAGCAGGTGGAGAGTGCCGAGCTGAAGAACCAGCGGCTCAAGGAGGTT
TTCCAGACCAAGATCCAGGAGTCCGCAAGGCCTGCTACACGCTACCCGGCTACCAGATCGACATCACC
ACGGAGAACCAGTACCGCTGACCTCGCTGTACGCCGAGCACCCAGGCGACTGCCTCATCTTCAAGGCC
ACCAGCCCTCGGGTTCCAAGATGCAGCTACTGGAGACAGAGTTCTCACACCCGTGGGCGAGCTCATC
GAGGTGCACCTGCGGCGCCAGGACAGCATCCCTGCCTTCTCAGCTCGCTCACCTCGAGCTTTCAGC
CGCCAGACCGTGGCGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001013837

Insert Size: 2157 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001013837.1](#)

RefSeq Size: 2714 bp

RefSeq ORF: 2157 bp

Locus ID: 8379

UniProt ID: [Q9Y6D9](#)

Cytogenetics: 7p22.3

Protein Families: Druggable Genome

Protein Pathways: Cell cycle

MW: 83.1 kDa

Gene Summary: MAD1L1 is a component of the mitotic spindle-assembly checkpoint that prevents the onset of anaphase until all chromosome are properly aligned at the metaphase plate. MAD1L1 functions as a homodimer and interacts with MAD2L1. MAD1L1 may play a role in cell cycle control and tumor suppression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]
Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same isoform (a).