

## Product datasheet for **SC301909**

### **MAD1 (MAD1L1) (NM\_001013836) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MAD1 (MAD1L1) (NM_001013836) 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)



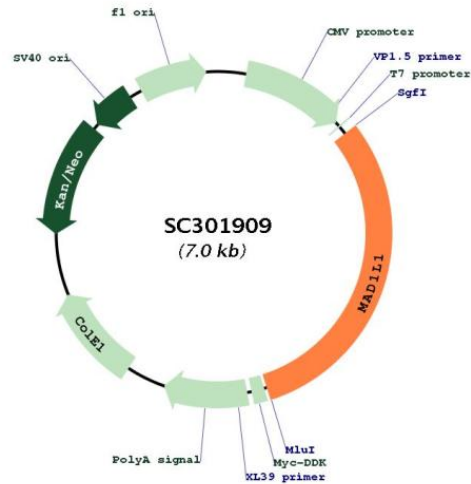
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**Fully Sequenced ORF:** >SC301909 representing NM\_001013836.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001013836

**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\\_001013836.1](#)

**RefSeq Size:** 2717 bp

**RefSeq ORF:** 2157 bp

**Locus ID:** 8379

**UniProt ID:** [Q9Y6D9](#)

<b>Cytogenetics:</b>	7p22.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Cell cycle
<b>MW:</b>	83.1 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same isoform (a).</p>