

## Product datasheet for **SC319109**

### MAD2L1 binding protein (MAD2L1BP) (NM\_014628) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAD2L1 binding protein (MAD2L1BP) (NM_014628) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAD2L1 binding protein
Synonyms:	CMT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_014628.2  
GTCGTGATGGCGCGCCGAGGCGGAGTTCTGTCCTCAGCCGAGTCCCTGATTTGGAG  
TGGTATGAGAAGTCCGAAGAACTCACGCCTCCAGATAGAACTACTTGAGACAAGTCT  
ACGCAGGAACCTCTCAACGCTTCGGAGGCCTTTTGCCCAAGAGACTGCATGGTACCAAGT  
GTGTTTCTGGGCTGTGAGCCAGGAAGGCTGCTGTCAGTTTACTTGTGAACTTCTAAAG  
CATATCATGTATCAACGCCAGCAGCTCCCTCTGCCCTATGAACAGCTTAAGCACTTTTAC  
CGAAAACCTTCTCCCGAGCAGAGGAGATGCTGAAGAAGAAACCTCGGGCCACCACTGAG  
GTGAGCAGCAGGAAATGCCAACAAGCCCTGGCAGAACTGGAGAGTGTCTCAGCCACCTG  
GAGGACTTCTTTGCACGGACACTAGTACCGCGAGTGTGATTCTCCTTGGGGCAATGCC  
CTAAGCCCAAGGAGTTCTATGAACTCGACTTGTCTCTGCTGGCCCCCTACAGCGTGGAC  
CAGAGCCTGAGCACAGCAGCTTGTTCGCGCGTCTCTCCGAGCCATATTCATGGCTGAT  
GCCTTTAGCGAGCTTCAGGCTCCTCCACTCATGGGCACCGTCGTCATGGCACAGGGACAC  
CGCAACTGTGGAGAAGATTGGTTTCGACCCAAGCTCAACTATCGAGTGCCAGCCGGGGC  
CATAAACTGACTGTGACCCTGTGATGTGGCAGACCTTCCATCCGAACCACGGCTTGGGAA  
GACTACATTTGGTTCCAGGCACCACTGACATTTAAAGGCTTCCGCGAGTGAATGAGTGTCT  
TCTTAATCCTAAAAACAATGGCTGAATTATCTTTCTCCATGTGGCGCTGAATCACCCA  
TCTGGTTGGAGCTAGAGTTGCTTCCTGGTGAGAGAGGAAGCAACTCTCCTTCTGGTTGT  
CTGCCTCCCCTCAGATTTCCCTGATAGGCTGATGGCATGTGGCTGTGACTGTGACTGTAAT  
CATTGCTGAACAACATCTTTGAATCAAAGTTGATTTTCCAGAGGGTGTGGGTCAG  
GCATTTCTATTAGGAGTTGGAAAGCAAAAATGGGTCCATAGACACTCTATGGAGGTGTC  
CTTTCTGCTCTTTGCTGTGTCCTTTTACAGAAATTTTACCAGGAACATAATGTGGATGTGAC  
TTATGAACTTAAATATAAAATAAATAGATTCTTATTATAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_014628



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<b>OTI Disclaimer:</b>	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>OTI Annotation:</b>	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.
<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>	<a href="#">NM_014628.2</a> , <a href="#">NP_055443.1</a>
<b>RefSeq Size:</b>	1283 bp
<b>RefSeq ORF:</b>	825 bp
<b>Locus ID:</b>	9587
<b>UniProt ID:</b>	<a href="#">Q15013</a>
<b>Cytogenetics:</b>	6p21.1
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>The protein encoded by this gene was identified as a binding protein of the MAD2 mitotic arrest deficient-like 1 (MAD2/MAD2L1). MAD2 is a key component of the spindle checkpoint that delays the onset of anaphase until all the kinetochores are attached to the spindle. This protein may interact with the spindle checkpoint and coordinate cell cycle events in late mitosis. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant differs in the 5' region compared to variant 1, which includes a part of the coding sequence. The resulting isoform (2) has a distinct and shorter N-terminus, as compared to isoform 1.</p>