

Product datasheet for **SC111153**

MAD2L2 (NM_006341) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAD2L2 (NM_006341) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAD2L2
Synonyms:	FANCV; MAD2B; POLZ2; REV7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111153 sequence for NM_006341 edited (data generated by NextGen Sequencing)

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ATGACCACGCTCACACGACAAGACCTCAACTTTGGCCAAGTGGTGGCCGATGTGCTCTGC
GAGTTCTGGAGGTGGCTGTGCATCTCATCCTCTACGTGCGCGAGGTCTACCCCGTGGGC
ATCTTCCAGAAACGCAAGAAGTACAACGTGCCGGTCCAGATGTCCTGCCACCCGGAGCTG
AATCAGTATATCCAGGACACGCTGCACTGCGTCAAGCCACTCCTGGAGAAGAATGATGTG
GAGAAAGTGGTGGTGGTATTTTGGATAAAGAGCACCGCCAGTGGAGAAATTCGTCTTT
GAGATCACCCAGCCTCCACTGCTGTCCATCAGCTCAGACTCGCTGTTGTCTCATGTGGAG
CAGCTGCTCCGGGCTTCATCCTGAAGATCAGCGTGTGCGATGCCGTCTGGACCACAAC
CCCCAGGCTGTACCTTACAGTCTGGTGCACACGAGAGAAGCCGCACTCGCAACATG
GAGAAGATCCAGGTCATCAAGGATTTCCCTGGATCCTGGCGGATGAGCAGGATGTCCAC
ATGCATGACCCCGGCTGATACCACTAAAACCATGACGTGCGACATTTTAAAGATGCAG
CTTTACGTGGAAGAGCGGCTCATAAAGGCAGCTGA

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Clone variation with respect to NM_006341.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006341 unedited</p> <pre>GATTTTGTAAACGACTCACTATAGGGCGGCNCGGAATTCGCACGAGGCGCGATCGGTC CGGTGGTGGCTCCCCGCGGCGGGGCCGGCCGATCTCGGGCGGGAACCGAGCGCAGAG CCGGTAGCGGGAAGGATGACCACGCTCACACGACAAGACCTCAACTTTGGCCAAGTGGT GCCGATGTGCTCTGCGAGTTCCTGGAGGTGGCTGTGCATCTCATCTCTACGTGCGCGAG GTCTACCCCGTGGGCATCTTCCAGAAAACGCAAGAAGTACAACGTGCCGGTCCAGATGTCC TGCCACCCGGAGCTGAATCAGTATATCCAGGACACGCTGCACTGCGTCAAGCCACTCCTG GAGAAGAATGATGTGGAGAAAGTGGTGGTGATTTTGGATAAAAGAGCACCGCCAGTG GAGAAATTCGTCTTTGAGATCACCCAGCCTCCACTGCTGTCCATCAGCTCAGACTCGCTG TTGTCTCATGTGGAGCAGCTGCTCCGGCCTTCATCCTGAAGATCAGCGTGTGCGATGCC GTCCTGGACCACAACCCCCAGGCTGTACCTTCACAGTCTGGTGCACACGAGAGAAGCC GCCACTCGCAACATGGAGAAGATCCAGGTCATCAAGGATTTCCCTGGATCCTGGCGGAT GAGCAGGATGTCCACATGCATGACCCCGGCTGATACCACTAAAAACCATGACGTCGGAC ATTNTAAAGATGCAGCTNTACGTGGAAGAGCGCGCTCATAAAGGCAGCTGNAGGGGCACC TGCCACCCCACTGATGCCAAACTGTGCACTTTGNGGNATCCCCGCCTAGGGCAGTGCT GCATGGCTGCCCTGATCCAAGTCTTATCGCCTCTGTGTGGATCGCCGNCACG CCCGNGCCGCTCAGTCTGCTTGAGGATGCTNNCCAGNAGGCAGTGAGGGATGCCGA CCTCNACTCTCACCTNCTGGGN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006341 unedited</p> <pre>GCCGCTTTTAGAGTCGAGNAANTCCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAA AGCCCAGCCCTTGGGGCCCTTTATTGAAACAACCTCACAGCACAGTTTTTGAAACAACA GGGTTGGCCGGGGAACCCAGAAGGCTGAAAATCAAGGTTGCGGCATCCCTCACTGCC CTCCTGGGGGAGGCATCTCCAAGCAAACCTGAGCGGCCCGGGCTGGGGCGGGCGATCC ACACACAGAGGGGATAAAACCACTTGAATCAGGGCAGCCATGCAGCACTGCCCTAGGCG GGGATCCCCAAAGTCTGACAGTTTGGGCATAAGGGGGGTGGCAGGTGCCCCCTCAGCTG CCTTTATGACCGCGCTCTTCCACGTAAGCTGCATCTTTAAAAATGCCCGACGTAATGGTT TTTAGGGGATACAGCCGGGGTGCATGCATGTGGACATCTGCTCATCCGCCAGGATCCAG GGGAAATCCTTGATGACCTGGATCTTCTCCATGTTGCGAGAGGCGGCTTCTCTCGTGTG ACCAGGACTGTGAAGGTACAGCCTGGGGGTTGTGGCCAGGACGGCATCGCACACGCTG ATCTTAAGGATGAAGGCCGGACCAGCTGCCACATGAGACAACAGCGAGTTCTGATCT GATGCACAGCAGTGGAGGCTGGGTGATCCCAAAGACAAAATTTCTCACTGGCGGAGCTC TTTTTCAAATACCACCACAATTTTTTCCAATAATCCTTTTCCAGAATTGGTTAGAACA ATGCAACGGGTCCTGATATTCTGATTAACCTCCGGTTGAAAGAATTCTGAACCCGGCACC TGTCTTCTGCGTTCTGGAAAATCCCCAGGGGTTACCTCCCCCTTAAGGTGAAAAGCA CCGCCCTCCAGAACTCCAAGGACATGCGCCCACTTGCCCAAGTTAAGGCTTGTGGGAA ACGGGCCATCTCCCCGCCACCCTCTCCCCG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006341
Insert Size:	1050 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).
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:	<ol style="list-style-type: none">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_006341.2 , NP_006332.2
RefSeq Size:	1056 bp
RefSeq ORF:	636 bp
Locus ID:	10459
UniProt ID:	Q9UI95
Cytogenetics:	1p36.22
Domains:	HORMA
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation
Gene Summary:	<p>The protein encoded by this gene is a component of the mitotic spindle assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. The encoded protein, which is similar to MAD2L1, is capable of interacting with ADAM9, ADAM15, REV1, and REV3 proteins. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.</p>