

## Product datasheet for **RG203932**

### **MAD2L2 (NM\_006341) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MAD2L2 (NM\_006341) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** MAD2L2  
**Synonyms:** FANCV; MAD2B; POLZ2; REV7  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG203932 representing NM\_006341  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCACGCTCACACGACAAGACCTCAACTTTGGCCAAGTGGTGGCCGATGTGCTCTGCGAGTTCCTGG  
AGGTGGCTGTGCATCTCATCCTCTACGTGCGCGAGGTCTACCCCGTGGGCATCTCCAGAAACGCAAGAA  
GTACAACGTGCCGGTCCAGATGTCCTGCCACCCGGAGCTGAATCAGTATATCCAGGACACGCTGCACTGC  
GTCAAGCCACTCCTGGAGAAGAATGATGTGGAGAAAGTGGTGGTGGTATTTGGATAAAGAGCACCGCC  
CAGTGGAGAAATTCGTCTTTGAGATCACCCAGCCTCCACTGCTGTCCATCAGCTCAGACTCGCTGTTGTC  
TCATGTGGAGCAGCTGTCGGGCTTCATCCTGAAGATCAGCGTGTGCGATGCCGTCTGGACCACAAC  
CCCCCAGGCTGTACCTTCACAGTCTGGTGCACACGAGAGAAGCCGCCACTCGCAACATGGAGAAGATCC  
AGGTCAACAAGGATTTCCCTGGATCCTGGCGGATGAGCAGGATGTCCACATGCATGACCCCCGGCTGAT  
ACCCTAAAAACCATGACGTCGGACATTTAAAGATGCAGCTTTACGTGGAAGAGCGCGCTCATAAAGGC  
AGC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203932 representing NM\_006341  
 Red=Cloning site Green=Tags(s)

MTTLTRQDLNFGQVVADVLCEFLVAVHLILYVREYYPVGIQKRKKYNVPVQMSCHPELNQYIQDTLHC  
 VKPLLEKNDVEKVVVVILDKHRPVEKFVFEITQPPLLSISSDSSL SHVEQLLRAFILKISVCDAVLDHN  
 PPGCTFTVLVHTREAAATRNMEKIQVIKDFPWILADEQDVHMHDPRLIPLKTM TSDILKMQLYVEERAHKG  
 S

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_006341

**ORF Size:** 633 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_006341.4](#)

**RefSeq Size:** 1056 bp

**RefSeq ORF:** 636 bp

**Locus ID:** 10459

**UniProt ID:** [Q9UI95](#)

**Cytogenetics:** 1p36.22

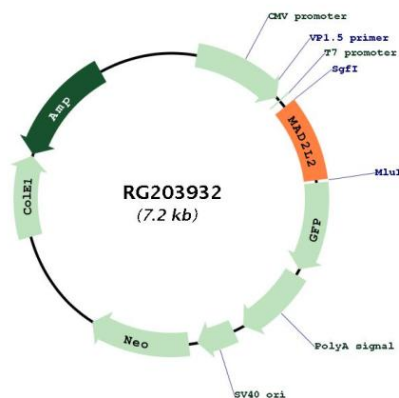
**Domains:** HORMA

**Protein Families:** Druggable Genome

**Protein Pathways:** Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation

**Gene Summary:** 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]

### Product images:



Circular map for RG203932