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Product datasheet for SC124109

MAD2 (MAD2L1) (NM_002358) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAD2 (MAD2L1) (NM_002358) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAD2
Synonyms:	HSMAD2; MAD2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC124109 sequence for NM_002358 edited (data generated by NextGen Sequencing)

ATGGCGCTGCAGCTCTCCCGGGAGCAGGGAATCACCCTGCGCGGGAGCGCCGAAATCGTG
GCCGAGTTCTTCTCATTCGGCATCAACAGCATTTTATATCAGCGTGGCATATATCCATCT
GAAACCTTTACTCGAGTGCAGAAATACGGACTCACCTTGCTTGTAACTACTGATCTTGAG
CTCATAAAATACCTAAATAATGTGGTGGAACAACTGAAAGATTGGTTATACAAGTGTTCA
GTTCAGAAACTGGTTGTAGTTATCTCAAATATTGAAAGTGGTGAGGTCCTGGAAAGATGG
CAGTTTGATATTGAGTGTGACAAGACTGCAAAAGATGACAGTGCACCCAGAGAAAAGTCT
CAGAAAGCTATCCAGGATGAAATCCGTTCAGTGATCAGACAGATCACAGCTACGGTGACA
TTTCTGCCACTGTTGGAAGTTTCTTGTTCATTTGATCTGCTGATTTATACAGACAAAGAT
TTGGTTGTACCTGAAAAATGGGAAGAGTCGGGACCACAGTTTATTACCAATTCTGAGGAA
GTCCGCCTTCGTTCATTTACTACTACAATCCACAAAGTAAATAGCATGGTGGCCTACAAA
ATTCCTGTCAATGACTGA

Clone variation with respect to NM_002358.3

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002358 unedited
NCGCCCCGCNAATTCGGCACGAGGTTGGAGCCGCTGTGGTTGCTGTCCGCGGAGTGGAAG
CGCGTGCTTTTGTTTGTGTCCCTGGCCATGGCGCTGCAGCTCTCCCGGGAGCAGGGAATC
ACCCTGCGCGGGAGCGCCGAAATCGTGGCCGAGTTCTTCTCATTCGGCATCAACAGCATT
TTATATCAGCGTGGCATATATCCATCTGAAACCTTTACTCGAGTGCAGAAATACGGACTC
ACCTTGCTTGTAACTACTGATCTTGAGCTCATAAAATACCTAAATAATGTGGTGGAACAA
CTGAAAGATTGGTTATACAAGTGTTCAGTTCAGAAACTGGTTGTAGTTATCTCANATATT
GAAAGTGGTGAGGTCCTGGAAAGATGGCAGTTTGATATTGAGTGTGACAAGACTGCAAAA
GATGACAGTGCACCCAGAGAAAAGTCTCAGAAAGCTATCCAGGATGAAATCCGTTCAGTG
ATCAGACAGATCACAGCTACGGTGACATTTCTGCCACTGTTGGAAGTTTCTTGTTCATTT
GATCTGCTGATTTATACAGACAAAGATTTGGTTGTANCCTGAAAATGGGAAGAGTCGGGA
CCACAGTTTATTACCAATTCTGAGGAAGTCCGCCTTCGTTCATTTACTACTACAATCCAC
ANAGTAAATAGCATGGTGGCCTACAAAATTCCTGTCATTGACTGAGGATGACATGAGGAA
ANATATGTAATTGTAATTTTGAATGTGGTTNTCCGANATAGGTCTN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002358 unedited
AGGGGNAATTAGCTGCAGTTGAAATTNGCGAGGCNNNNNNGCACTGGGGAGGGGTCACAG
GGATGCCACCCGGGATCTGTTCAGGAAACAGCTATGACCGCTTCCGCAATCTAGAGTCGA
GTTTTTTTTTTTTTTTTTTTTAAGACAAATTTAAAACAAACTTAACTTTATTTCCTCACT
TTCACTTAAAACTTGATTTTATAAAACACATGAAAAAACATTTTTAAGAGTTCTGTATCA
CAGAACATTAAACAGTACAAATATCCATTGCTTCATAGGTTCAAGTTACATAAATTAAAG
TCAAATAATTGGAAACTGATTCAATAGGGAAAACTATACATGAAATGAAGGTCAAAAGGA
GCTATACAGCAATATTTCATTGTTTATAGATTATGAGTTACTTTCAGGACCTTAACAAAG
ATTCTGAATATTTAGACTTCCTTTGTTGTATTTTATACTTAAATATCTCCCTACCTATAC
TGAGTCAAACTACTTGACCAAAACATCTGATTTAGGAAAGCATCTAGCTTTATAGCACAA
GTTTTTCCATCTACAGTTACTATCTTCAAAGGAAATATACATCACAATGGTTGACAAAAA
ACCTCCTGGTTCCTTTTGAACAATGTGCAATANATTCATGATGTTAACTCCATGGTAAGT
CAAATAGGTACCAAAAAAATAAAAGGAACAATTACACACAGTTCAGTAAGTATCATTTTG
GTTTTCTCCATGTAAAAATTAACCAATGAAATANAACATATCAACTATAGATGACCTGAT
TTCAGGAAAACCACATTTANAATTACATTTCN

Restriction Sites: Please inquire

ACCN: NM_002358

Insert Size: 1300 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:
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_002358.2, NP_002349.1
RefSeq Size:	1390 bp
RefSeq ORF:	618 bp
Locus ID:	4085
UniProt ID:	Q13257
Cytogenetics:	4q27
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation
Gene Summary:	MAD2L1 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. MAD2L1 is related to the MAD2L2 gene located on chromosome 1. A MAD2 pseudogene has been mapped to chromosome 14. [provided by RefSeq, Jul 2008]