

Product datasheet for MR202160

Mad2l1 (NM_019499) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mad2l1 (NM_019499) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mad2l1
Synonyms:	AA673185; MAD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202160 representing NM_019499 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACAGCAGCTCGCCGAGAGCAAGGCATCACCTGCGTGGGAGCGCAGAAATCGTGGCCGAGTTTT
TCTCATTTGGCATCAACAGCATTTTGTATCAGCGTGGCATTATCCGTCGGAAACCTTTACTAGAGTGCA
GAAATATGGACTCACCTTGCTTACAACACTGACCCGAGCTCATAAAGTATCTCAATAATGTGGTGAA
CAGCTAAAAGAGTGGCTGTACAAGTGCTCAGTTCAGAAACTGGTGGTGGTCATCTCAAATATTGAAAGTG
GTGAAGTCCTTGAAAGATGGCAGTTTGATATTGAGTGTGACAAACTGCAAAAGAGGAAGGTGTTCTGAG
AGAAAAGTCCCAGAAAGCCATACAGGATGAAATTCGCTCAGTGATTAGACAGATTACAGCTACTGTGACA
TTTCTGCCACTGTTGGAAGTTTCTTGTCTTTGATCTGCTGATTACACTGACAAAGACTTGGTGGTAC
CTGAAAAGTGGGAAGAATCGGGACCGCAATTTATTACCAATTGTGAAGAAGTCCGCTACGCTCATTTAC
AACCACAATCCATAAAGTGAATAGTATGGTGGCCTACAAAACCCCTGTCAATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR202160 representing NM_019499 Red=Cloning site Green=Tags(s)
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MAQQLAREQGITLRGSAEIVAEFFSFGINSILYQRGIYPSETFTRVQKYGLTLLTTTDPelikyLNNVVE
QLKEWLKCSVQKLVVVISNIESGEVLERWQFDIECDKTAKEGVRREKSQKAIQDEIRSVIRQITATVT
FLPLLEVSCSFDLLIYTDKDLVPEKWEESSGPQFITNCEEVRLRSFTTTIHKVNSMVAYKTPVND

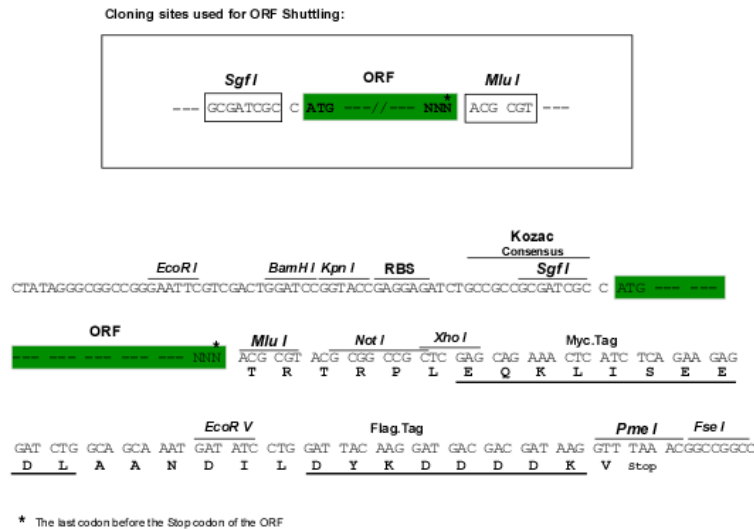
TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Chromatograms: https://cdn.origene.com/chromatograms/mm9034_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019499

ORF Size: 615 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_019499.5

RefSeq Size: 1725 bp

RefSeq ORF: 618 bp

Locus ID: 56150

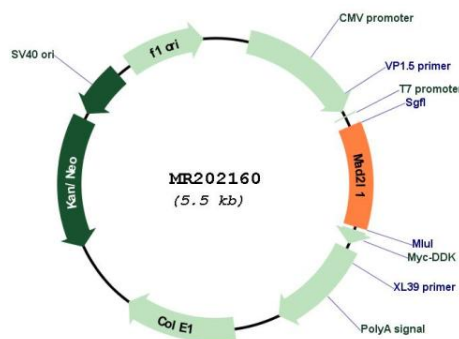
UniProt ID: Q9Z1B5

Cytogenetics: 6 30.56 cM

MW: 24 kDa

Gene Summary: Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. Required for the execution of the mitotic checkpoint which monitors the process of kinetochore-spindle attachment and inhibits the activity of the anaphase promoting complex by sequestering CDC20 until all chromosomes are aligned at the metaphase plate (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202160