

Product datasheet for **MR218920**

Mdm1 (NM_010785) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm1 (NM_010785) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mdm1
Synonyms:	Arrd2; Mdm-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218920 representing NM_010785
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGGTGCCTTCAAGGGCTGAGTGAATACCAGAGAACTTCTGTGAAAAAGTCCTATTTGTCAG
 AGTCTTATAATCCCTCAGTGGGACAAAAGTACTCATGGGCAGGACTTAGATCGGATCAGTTGGGGATCAC
 GAAAGAACCAGGTTTTATTTCAAAAAGAAGAGTTCCTACCATGACCCTCAGATTTCAAAAATACCTGGAG
 TGGAACGGAACCGTCAGAAAAGAAGGATACGCTTGTCCCACCAGAACCCAGGCCTTTGGAACGCCAAAGC
 CACAAGAGGCTGAGCAAGGAGAAGATGCCAATCAAGAAGCAGTTCTCTACTAGAGGCTCCAGGTTCC
 CAAGAGAACTCGTCTCATTCTGCGGACTCGAGAGCTGAAGGGTTTTCAGACACTGTGAAAAAGCACCGAG
 GGTGTACGAGAAGCCATGCGCCAGTTAGCGCGGATGTGGAGCTGAGACCTCCAGCAAACAACCTCTCT
 CCCAGAGCATAGATCCCAGTTGGATAGGCATCTTCGTAAGAAAGCTGGATTGGCCGTTGTTCCCACGAA
 TAATGCCTTGAGAAATCTGAATACCAAAGGCAGTTTGTGGAAAGACTTCTAAAGAAAGCGCTCCAGTG
 TTTGCATCCAATCAGTTTTCCGTAATAAAAGCCAAATTATTCCACAGTTCCAAGGCAATACATTACCC
 ACGAGACTGAATACAAGCGAAATTTCAAGGGTTAACTCCAGTGAAGGAACCAAAGTCAAGAGAGTATTT
 GAAAGGAAACAGCAGTCTGGAGATGCTGACTCCAGTAAAGAAGGCAGATGAGCCTTTAGACTTAGAAGTA
 GACATGGCGTCGGAAGACTCAGACCAGTCTGTAAGAAGCCTGCTTATGGAGACACCAAAGGCTTGGAA
 AAGTGAATTCTGAATATAGAGCAAAGTTCTGAGCCCAGCCAGTATTTCTATAAAGCTGGAGCTTGGAC
 CCGGGTGAAGGAGAACCTGTCAAACCAGTTAAGGAGCTCCGAGAAAAGGCCGAATCTTACAGGAAGCGA
 GTTCAGGGGACACATTTTCTCGGGACCATCTGAACCAGATTATGTCGGACAGCAACTGCTGTTGGGACG
 TCTCCTCAGTACAAGCTCGGAAGGCACCGTCAGTAGCAACATCCGAGCACTGGATCTTGCTGGAGACCT
 TACAAACCACAGGACCCCCAGAAAACCCCTCCTACAAACTAGAAGAAAAGAAAAGTTGCCTCGGGAGAG
 CAGCCCCTGAAAAACTCCACCAGGAGACTGGAGATGCCAGAGCCTGCCGCCTCGGTCAGGAGGAAGCTGG
 CTTGGGATGCTGAGGAGAGCACGAAGGAAGACACCAGGAGGAGCCAGGGCGGAGGAGACGGGAGAGA
 GGAGAGAGGACAGGACAAGCAGACCTGTGCGGTAGAGCTGGAGAAAACCGGACACACAGACACCCAAGGCA
 GACAGACTGACAGAAGGGTCGGAGACATCTTCTGTTTCTCAGGGAAGGGAGGCAGGCTTCTACACCGA
 GGCTGAGAGAACTCGGTATCCAGCGGACGCACCATGATCTCACGACGCCAGCTGTTGGTGGCGCAGTCTT
 AGTGTCTCCATCTAAAGTGAAGCCACCAGGCTCGAGCAGAGGAGGAGAGCGTCTCCCAAGATGGCTTA
 GAAACTCTGAAGAAAGACATTAAGAAAGGAAAACCCCGTCCCATGTCTCTGTTGACTTCTCCGGCTG
 CTGGCATGAAGACAGTTGATCCCCTGCCTCTGCGAGAAGACTGTGAAGCCAATGTGCTCAGATTTGCTGA
 TACTCTTCTGTTTCGAAAATTTTGACCCGTCAGCCCAGCACCCCTGGGAGCTGCCTCCATGTGCCCCG
 CCTTACTGTATCCGTCACGAGGATCCAGGGCGCTGCGAGACCCTGAGTTTCAGCACAAATGCGAG
 ATAGACTGTCTGAGATCTCTGCTCGCTCTGAGTTTCCAGCCTCCGGGCTTTCCAGACTCTAGCCCCGAGC
 TCAGAAAAGAAAGGAGAATTTCTGGGGCAAGCCA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218920 representing NM_010785
 Red=Cloning site Green=Tags(s)

MPVRFKGLSEYQRNFWKKSYSYNSVSGQKYSWAGLRSDQLGITKEPGFISKRRVPYHDPQISKYLE
 WNGTVRKKDTLVPPEPQAFGTPKPQAEQGEDANQEAVLSLEASRVPKRTRSHSADSRAEGVSDTVEKHQ
 GVTRSHAPVSADVELRPSSKQPLSQSIDPRLDRHLRKKAGLAVVPTNNALRNSEYQRQFVWKTSKESAPV
 FASNQVFRNKSQIIPQFQGNFTTETHEYKRNFKGLTPVKEPKSREYLKGNSSLEMLTPVKKADEPLDLEV
 DMASESDQSVMKPPASWRHQRLGKVNSEYRAKFLSPAQYFYKAGAWTRVKENLSNQVKELREKAESYRKR
 VQGTHTFSRDHLNQIMSDSNCCWDVSSVTSSEGTVSSNIRALDLAGDLTNHRTPOKHPPTKLEERKVASGE
 QPLKNSTRRLEMPEPAASVRRKLAWDAEESTKEDTQEPRAEEDGREERGQDKQTCAVELEKPDTPKA
 DRLTEGSETSSVSSGKGGRLPTPRLRELGIQRTHHDLTPAVGGAVLVSPSKVPPGLEQRRRASSQDGL
 ETLKKDITKKGKPRPMSLLTSPAAGMKTVDPLPLREDCEANLRFADTLPVSKILDRQPSTPGQLPPCAP
 PYCHPSSRIQGRLRDPFQHNNADRLSEISARSAVSSSLRAFQTLARAQKRKENFWGKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_010785

ORF Size: 2064 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_010785.2](#), [NP_034915.2](#)

RefSeq Size: 3071 bp

RefSeq ORF: 2067 bp

Locus ID: 17245

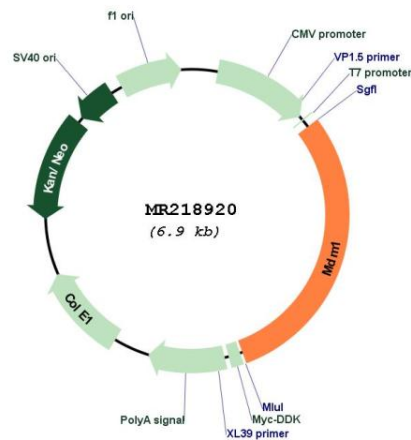
UniProt ID: [Q9D067](#)

Cytogenetics: 10 66.65 cM

MW: 77.8 kDa

Gene Summary: Microtubule-binding protein that negatively regulates centriole duplication. Binds to and stabilizes microtubules.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218920