

Product datasheet for **MG218920**

Mdm1 (NM_010785) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm1 (NM_010785) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mdm1
Synonyms:	Arrd2; Mdm-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG218920 representing NM_010785
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGGTGCCTTCAAGGGCTGAGTGAATACCAGAGAACTTCTGTGAAAAAGTCCTATTTGTCAG
 AGTCTTATAATCCCTCAGTGGGACAAAAGTACTCATGGGCAGGACTTAGATCGGATCAGTTGGGGATCAC
 GAAAGAACCAGGTTTTATTTCAAAAAGAAGAGTTCCTACCATGACCCTCAGATTTCAAAAATACCTGGAG
 TGGAACGGAACCGTCAGAAAAGAAGGATACGCTTGTCCCACCAGAACCCAGGCCTTTGGAACGCCAAAGC
 CACAAGAGGCTGAGCAAGGAGAAGATGCCAATCAAGAAGCAGTTCTCTACTAGAGGCTCCAGGTTCC
 CAAGAGAACTCGTCTCATTCTGCGGACTCGAGAGCTGAAGGGTTTCAGACACTGTGAAAAAGCACCGAG
 GGTGTACGAGAAGCCATGCGCCAGTTAGCGCGGATGTGGAGCTGAGACCTCCAGCAAACAACCTCTCT
 CCCAGAGCATAGATCCCAGTTGGATAGGCATCTTCGTAAGAAAGCTGGATTGGCCGTTGTTCCCACGAA
 TAATGCCTTGAGAAATCTGAATACCAAAGGCAGTTTGTGGAAAGACTTCTAAAGAAAGCGCTCCAGTG
 TTTGCATCCAATCAGTTTTCCGTAATAAAAGCCAAATTTCCACAGTTCCAAGGCAATACATTCACCC
 ACGAGACTGAATACAAGCGAAATTTCAAGGGTTAACTCCAGTGAAGGAACCAAAGTCAAGAGAGTATTT
 GAAAGGAAACAGCAGTCTGGAGATGCTGACTCCAGTAAAGAAGGCAGATGAGCCTTTAGACTTAGAAGTA
 GACATGGCGTCGGAAGACTCAGACCAGTCTGTAAGAAGCCTGCTTCATGGAGACACCAAAGGCTTGAA
 AAGTGAATTTCTGAATATAGAGCAAAGTTCTGAGCCCAGCCAGTATTTCTATAAAGCTGGAGCTTGAC
 CCGGGTGAAGGAGAACCTGTCAAACCAGTTAAGGAGCTCCGAGAAAAGGCCGAATCTTACAGGAAGCGA
 GTTCAGGGGACACATTTTCTCGGGACCATCTGAACCAGATTATGTCGGACAGCAACTGCTGTTGGGACG
 TCTCCTCAGTACAAGCTCGGAAGGCACCGTCAGTAGCAACATCCGAGCACTGGATCTTGCTGGAGACCT
 TACAAACCACAGGACCCCCAGAAAACACCCTCCTACAAACTAGAAGAAAAGAAAAGTTGCCTCGGGAGAG
 CAGCCCCTGAAAAACTCCACCAGGAGACTGGAGATGCCAGAGCCTGCCGCCTCGGTCAGGAGGAAGCTGG
 CTTGGGATGCTGAGGAGAGCACGAAGGAAGACACCAGGAGGAGCCAGGGCGGAGGAGACGGGAGAGA
 GGAGAGAGGACAGGACAAGCAGACCTGTGCGGTAGAGCTGGAGAAAACCGGACACACAGACACCCAAGGCA
 GACAGACTGACAGAAGGGTCGGAGACATCTTCTGTTTCTCAGGGAAGGGAGGCAGGCTTCTACACCGA
 GGCTGAGAGAACTCGGTATCCAGCGGACGCACCATGATCTCACGACGCCAGCTGTTGGTGGCGCAGTCTT
 AGTGTCTCCATCTAAAGTGAAGCCACCAGGCTCGAGCAGAGGAGGAGAGCGTCTCCCAAGATGGCTTA
 GAAACTCTGAAGAAAGACATTAAGAAAGGAAAACCCCGTCCCATGTCTCTGTTGACTTCTCCGGCTG
 CTGGCATGAAGACAGTTGATCCCCTGCCTCTGCGAGAAGACTGTGAAGCCAATGTGCTCAGATTTGCTGA
 TACTCTTCTGTTTTCGAAAATTTTGACCCGTCAGCCCAGCACCCCTGGGAGCTGCCTCCATGTGCCCCG
 CCTTACTGTATCCGTCCAGCAGGATCCAGGGCGCTGCGAGACCCTGAGTTTCAGCACAAATGCGAG
 ATAGACTGTCTGAGATCTCTGCTCGCTCTGAGTTTCCAGCTCCGGGCTTTCCAGACTCTAGCCCCGAGC
 TCAGAAAAGAAAGGAGAATTTCTGGGGCAAGCCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG218920 representing NM_010785
Red=Cloning site Green=Tags(s)

MPVRFKGLSEYQRNFWKKSYSSEYNPSVQKYSWAGLRSDQLGITKEPGFISKRRVPHYHDPQISKYLE
WNGTVRKKDTLVPPEPQAFGTPKPQAEQGEDANQEAVLSLEASRVPKRTRSHSADSRAEAGVSDTVEKHQ
GVTRSHAPVSADVELRPSSKQPLSQSIDPRLDRHLRKKAGLAVVPTNNALRNSEYQRQFVWKTSKESAPV
FASNQVFRNKSQIIPQFQGNFTHETEYKRNFKGLTPVKEPKSREYLKGNSSLEMLTPVKKADEPLDLEV
DMASESDQSVMKPPASWRHQRLGKVNSEYRAKFLSPAQFYKAGAWTRVKENLSNQVKELREKAESYRKR
VQGTHTSRDHLNQIMSDSNCCWDVSSVTSSEGTVSSNIRALDLAGDLTNHRTQKHPPTKLEERKVASGE
QPLKNSTRRLEMPEPAASVRRKLAWDAEESTKEDTQEPRAEEDGREERGQDKQTCAVELEKPDTPKA
DRLTEGSETSSVSSGKGGRLPTPRLRELGIQRTHHDLTPAVGGAVLVSPSKVPPGLEQRRRASSQDGL
ETLKKDITKKGKPRPMSLLTSPAAGMKTVDPLPLREDCEANVLRADTLPVSKILDRQPSTPGQLPPCAP
PYCHPSSRIQGRRLRDPFQHNNADRLSEISARSAVSSSLRAFQTLARAQKRKENFWGPK

TRTRPLE - GFP Tag - V

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

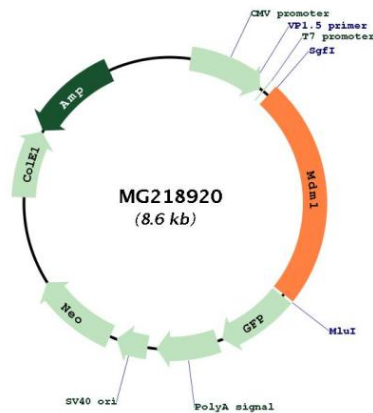
Locus ID: 17245

UniProt ID: [Q9D067](#)

Cytogenetics: 10 66.65 cM

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

Product images:



Circular map for MG218920