

Product datasheet for **MG216494**

Mdm1 (NM_001162904) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm1 (NM_001162904) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MG216494 representing NM_001162904
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGGTGCCTTCAAGGGCTGAGTGAATACCAGAGAACTTCTGTGGAAAAAGTCCTATTTGTCAG
 AGTCTTATAATCCCTCAGTGGGACAAAAGTACTCATGGGCAGGACTTAGATCGGATCAGTTGGGGATCAC
 GAAAGAACCAGGTTTTATTTCAAAAAGAAGAGTCCCTACCATGACCCTCAGATTTCAAAAATACCTGGAG
 TGGAACGGAACCGTCAGAAAAGAAGGATACGCTTGTCCCACCAGAACCCAGGCCTTTGGAACGCCAAAGC
 CACAAGAGGCTGAGCAAGGAGAAGATGCCAATCAAGAAGCAGTTCTCTACTAGAGGCCTCCAGGTTCC
 CAAGAGAACTCGTCTCATTCTGCGGACTCGAGAGCTGAAGGGTTTTCAGACACTGTGAAAAAGCACCAG
 GGTGTCACGAGAAGCCATGCGCCAGTTAGCGCGGATGTGGAGCTGAGACCTCCAGCAAACAACCTCTCT
 CCCAGAGCATAGATCCCAGTTGGATAGGCATCTTCGTAAGAAAGCTGGATTGGCCGTTGTTCCCACGAA
 TAATGCCTTGAGAAATCTGAATACCAAAGGCAGTTTGTGGAAAGACTTCTAAAGAAAGCGCTCCAGTG
 TTTGCATCCAATCAGTTTTCCGTAATAAAAGCCAAATTATTCCACAGTTCCAAGGCAATACATTACCC
 ACGAGACTGAATACAAGCGAAATTTCAAGGGTTAACTCCAGTGAAGGAACCAAAGTCAAGAGAGTATTT
 GAAAGGAAACAGCAGTCTGGAGATGCTGACTCCAGTAAAGAAGGCAGATGAGCCTTTAGACTTAGAAGTA
 GACATGGCGTCGGAAGACTCAGACCAGTCTGTAAGAAGCCTGCTTCATGGAGACACCAAAGGCTTGAA
 AAGTGAATTTGAAATATAGAGCAAAGTTCTGAGCCCAGCCAGTATTTCTATAAAGCTGGAGCTTGAC
 CCGGGTGAAGGAGAACCTGTCAAACCAGGGTCTCTAAATGCCATGTGGTATGCAGAGTTAAGGAGCTC
 CGAGAAAAGGCCGAATCTTACAGGAAGCAGTTTACGGGGACACATTTTCTCGGGACCACCTGAACCAGA
 TTATGTCCGACAGCAACTGCTGTTGGGACGTCTCCTCAGTCAACAAGCTCGGAAGGCACCGTCAGTAGCA
 CATCCGAGCACTGGATCTTGCTGGAGACCTTACAAACCACAGGACCCCCAGAAAACCCCTCCTACCAAA
 CTAGAAGAAAGAAAAGTTGCCTCGGGAGAGCAGCCCTGAAAACTCCACCAGGAGACTGGAGATGCCAG
 AGCCTGCCGCTTGCTCAGGAGGAAGCTGGCTTGGGATGCTGAGGAGAGCACGAAGGAAGACACCCAGGA
 GGAGCCCAGGGCGGAGGAGGACGGGAGAGAGGAGAGGACAGGGCAAGCAGACCTGTGCGGTAGAGCTG
 GAGAAACCGGACACAGACACCAAGGCAGACAGACTGACAGAAGGTCAGAGACATCTTCTGTTTCT
 CAGGGAAGGGAGGACGGCTTCTACACCGAGGCTGAGAGAAGTCCGATCCAGCGGACGCACCATGATCT
 CACGACGCCAGCTGTTGGTGGCGCAGTCTTAGTGTCTCCATCTAAAGTGAAGCCACCAGGCTCGAGCAG
 AGGAGGAGAGCGTCTCCAAGATGGCTTAGAAACTCTGAAGAAAGACATTACTAAGAAAGGAAAACCCC
 GTCCCATGTCTCTGTTGACTTCTCCGGCTGCTGGCATGAAGACAGTTGATCCCCTGCCTCTGCGAGAAGA
 TTGTGAAGCCAATGTGCTCAGATTTGCTGAGGGTACTTCTCTGTTTCGAAAATTTTGGACCGTCAGCCC
 AGCACCCCTGGGCAGCTGCCTCCATGTGCCCGCCTTACTGTCTCCGTCAGCAGGATCCAGGGCCGCTC
 TTCGAGACCCTGAGTTTCAGCACAAATGGGAAAACCAAGGACGAACAATTTGCAGCTACATCCACACGA
 TGCCTTAATGATGAAGATGCAGATAGACTGTCTGAGATCTCTGCTCGCTCTGCAGTTCCAGCCTCCGG
 GCTTTCCAGACTTAGCCCGAGCTCAGAAAAGAAAGGAGAATTTCTGGGGCAAGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216494 representing NM_001162904
 Red=Cloning site Green=Tags(s)

```
MPVRFKGLSEYQRNFLWKKSYLSESYNPSVQKYSWAGLRSDQLGITKEPGFISKRRVPHYHDPQISKYLE
WNGTVRKKDTLVPPEQAFGTPKPQAEQGEDANQEAVLSLEASRVPKRTRSHSADSRAEGVSDTVEKHQ
GVTRSHAPVSADVELRPSSKQPLSQSIDPRLDRHLRKKAGLAVVPTNNALRNSEYQRQFVWKTSKESAPV
FASNQVFRNKSQIIPQFQNTFTHETEKRNFKGLTPVKEPKSREYLKGNSSLEMLTPVKKADEPLDLEV
DMASESDQSVMKPPASWRHQRLGKVNSEYRAKFLSPAQYFYKAGAWTRVKENLSNQGSLNAMWYAEVKEL
REKAESYRKRQVQGFHSRDHLNQIMSDSNCCWDVSSVTSSEGTVSSNIRALDLAGDLTNHRTPQKHPPTK
LEERKVASGEQPLKNSTRREMPPEPALVRRKLAWDAEESTKEDTQEPRAEEDGREERGQKQTCAVEL
EKPDTQTPKADRLTEGSETSSVSSGKGGRLPTPRLRELGIQRTHHDLTPAVGGAVLVSPSKVKPPGLEQ
RRRASSQDGLLETKKIDITKKGKPRPMSLLTSPAAGMKTVDPLPLREDCEANVLRFAEGLTPVSKILDROP
STPQQLPPCAPPYCHPSSRIQGRRLRDEPQHNMGKPRNTNQLHPHDAFNDEDADRLSEISARSAVSSLR
AFQTLARAQKRKENFWGKP
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001162904

ORF Size: 2154 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_001162904.1](#), [NP_001156376.1](#)

RefSeq Size: 3161 bp

RefSeq ORF: 2157 bp

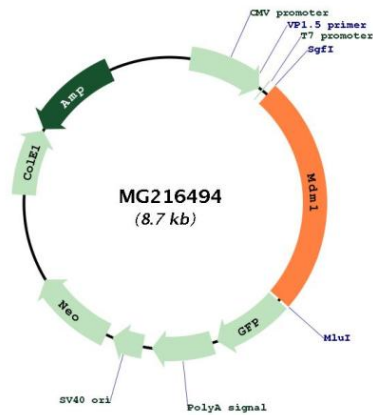
Locus ID: 17245

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 MG216494