

Product datasheet for **MG216514**

Mdm1 (NM_001162905) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm1 (NM_001162905) 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:**

>MG216514 representing NM_001162905
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTCGCTTCAAGGGCTGAGTGAATACCAGAGAACTTCTGTGGAAAAAGTCCTATTTGTCAG
 AGTCTTATAATCCCTCAGTGGGACAAAAGTACTCATGGGCAGGACTTAGATCGGATCAGTTGGGGATCAC
 GAAAGAACCAGGTTTTATTTCAAAAAGAAGAGTCCCTACCATGACCCTCAGATTTCAAAAATACCTGGAG
 TGGAACGGAACCGTCAGAAAAGAAGGATACGCTTGTCCCACCAGAACCCAGGCCTTTGGAACGCCAAAGC
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 CAAGAGAACTCGGTCTATTCTGCGGACTCGAGAGCTGAAGGGTTTTCAGACACTGTGAAAAAGCACCCAG
 GGTGTACGAGAAGCCATGCGCCAGTTAGCGCGGATGTGGAGCTGAGACCTCCAGCAAACAACCTCTCT
 CCCAGAGCATAGATCCCAGGGTTTTCCGTAATAAAAAGCCAAATTATTCCACAGTTCCAAGGAATACATT
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 GATCTCACGACGCCAGCTGTTGGTGGCGCAGTCTTAGTGTCTCCATCTAAAGTGAAGCCACCAGGCCTCG
 AGCAGAGGAGGAGAGCGTCTCCAAGATGGCTTAGAAACTCTGAAGAAAGACATTAATAAGAAAGGAAA
 ACCCCGTCCTATGCTCTGTTGACTTCTCCGGCTGCTGGCATGAAGACAGTTGATCCCCTGCCTCTGCGA
 GAAGACTGTGAAGCCAATGTGCTCAGATTTGCTGATACTTCTCTGTTTCGAAAATTTGGACCGTCAGC
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 GATGCCTTAAATGATGAAGATGCAGATAGACTGTCTGAGATCTCTGCTCGCTCTGCAATTTCCAGCCTCC
 GGGCTTCCAGACTCTAGCCCGAGCTCAGAAAAGAAAGGAGAATTTCTGGGGCAAGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216514 representing NM_001162905
 Red=Cloning site Green=Tags(s)

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MPVRFKGLSEYQRNFWKKSYSSEYNPSVQKYSWAGLRSDQLGITKEPGFISKRRVPHYHDPQISKYLE
WNGTVRKKDTLVPPEQAFGTPKPQAEQGEDANQEAVLSLEASRVPKRTRSHSADSRAEGVSDTVEKHQ
GVTRSHAPVSADVELRPSSKQPLSQSIDPRVFRNKSQIIPQFQGNFTTHETEYKRNFKGLTPVKEPKSRE
YLKGNSSLEMLTPVKKADEPLDLEVDMAESEDSDQSVKPPASWRHQRLGKVNSEYRAKFLSPAQYFYKAGA
WTRVKENLSNQGSLNAMWYAEVKELREKAESYRKRVRQGTHTFSRDHLNQIMSDSNCCWDVSSVTSSEGTVS
SNIRALDLAGDLTNHRTPOKHPPTKLEERKVASGEQPLKNSTRRLEMPEPAASVRRKLAWDAEESTKEDT
QEEPRAEEDGREERGQDKQTCAVELEKPDQTTPKADRLTEGSETSSVSSGKGGRLPTPRLRELGIQRTHH
DLTTPAVGGAVLVSPSKVKPPGLEQRRRASSQDGLETLKKDITKKGKPRMSLLTSPAAGMKTVDPLPLR
EDCEANVLRFADTLPVSKILDRQPSTPGQLPPCAPPYCHPSSRIQGRLRDPFQHNMGKPRTNLQLHPH
DAFNDEDADRLSEISARSAVSSLRAFQTLARAQKRKENFWGKP
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001162905

ORF Size: 2019 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_001162905.1](#), [NP_001156377.1](#)

RefSeq Size: 3026 bp

RefSeq ORF: 2022 bp

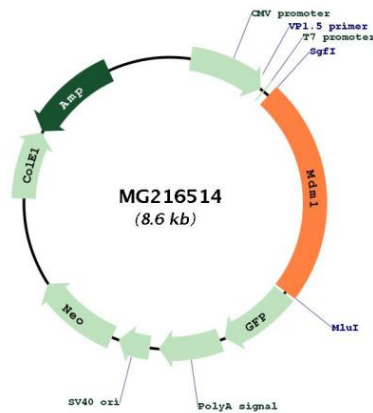
Locus ID: 17245

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 MG216514