

Product datasheet for **RG234702**

MDM1 (NM_001205028) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MDM1 (NM_001205028) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MDM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234702 representing NM_001205028
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGGTGCCTTCAAGGGCTGAGTGAATACCAGAGGAACCTCCTGTGAAAAAGTCTTATTTGTCCG
 AGTCTTGAATTCTCCGTGGGCGAAAAGTACCATGGGCTGGACTTAGATCAGATCAATTAGGCATCAC
 GAAAGAGCCAAGTTTTATTTCAAAAAGAAGAGTCCCTTACCATGACCCACAGATTTCAAAATCTCTGGAG
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 CACAAGAAGCAGAACAAAAGGATGTTACTCAAGAAAGAGTTCACTCACTAGAAGCTTCCAGGGTTCCCAA
 AAGAACCAGATCTCACTCTGCAGACTCCAGAGCTGAAGGGGCTTCAGATGTGAAAAATAAGGGGTGTA
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 ATAAATGGGGTTTTCCACAATAAAAGCCAGTTTGTCCACCATTCAAAGGTAAGTCACTCAGTCCATGAAAC
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 AGGACTCATCATGATCTCACTACTCCAGCTGTTGGTGGTGTGTTTTAGTGTCTCCATCTAAGATGAAGC
 CTCCAGCCCCAGAACAGAGGAAAAGAATGACCTCTCAGGATTGTTTAGAACTTCAAAGAATGATTTTAC
 TAAGAAAAGAAAGTCGTGCTGTATCCCTACTGACTTCTCCAGCTGCTGGTATAAAAAACAGTTGATCCTCTG
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 CAAAATACCCAACAATCCCCCTGGACAGTTGCCCTTCTCCACCACATGTTCCATCTACTGGCATCCCTC
 TCGACGAATTCAGGGCTCTCTTAGAGATCCAGAGTTTCAGCACAATGTGGGAAAAGCAAGGATGAACAAT
 TTGAGTTACCTCAACATGAAGCCTTAAATGATGAAGATGAGGACAGATTGTCTGAGATTCTGCTCGCT
 CTGACGCTTAGTCTCCGGGCTTTTCAAACCTCTGGCAGGAGCTAAGAAAAGGAAGGAGAATTTCTGGGG
 TAAAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234702 representing NM_001205028
 Red=Cloning site Green=Tags(s)

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MPVRFKGLSEYQRNFWKKSYLESCNSSVGRKYPWAGLRSDQLGITKEPSFISKRRVPYHDPQISKSLE
WNGAISESNVVASPEPEAPETPKSQEAEQKDVTQERVHSLASRVPKRTRSHSADSRAEGASDVENNEG
VNHTPVNENVELEHSTKVLSENVDNVGFHNKSQFVPPFKGNSVIHETEKRNFKGLSPVKEPKLRNDLRE
NRNLETVSPERKSNKIDDRLLKLEAEMELKDLHQPKRKLTPWKHQRLGKVNSEYRAKFLSPAQYLKAGAW
THVKGNNMPNQGSLNAMWYAEVKELREKAEFYRKRVRQGHFTRDHLNQILSDSNCCWDVSSTTSSEGTVSS
NIRALDLAGDPTSHKTLQKCPSTEPEEKGNIVVEEQPKNTTEKLGVSAPTIPVRRRLAWDTENTSEDVQK
QPGEKEEEDDNEEEGDRKTGKQAFMGEQEKL DVREKSKADKMKEGSDSSVSSEKGGRLPTPKLRELGGIQ
RTHHDLTPAVGGAVLVSPSKMKPPAPEQRKRMTSQDCLETSKNDFTKKESRAVSLLTSPAAGIKTVDP
PLREDSIEDNIHKFAEATLPVSKIPKYPTNPPGQLPSPPHVPSYWHPSTRRIQGLRDEPFQHNVGKARMNN
LQLPQHEAFNDEDEDRLSEISARSAASSLRAFQTLARAKKRKENFWGKT
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001205028

ORF Size: 2037 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_001205028.2](#)

RefSeq Size: 2888 bp

RefSeq ORF: 2040 bp

Locus ID: 56890

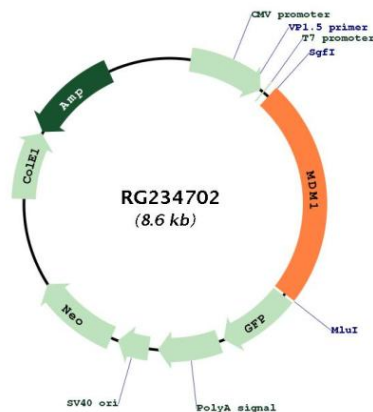
UniProt ID: [Q8TC05](#)

Cytogenetics: 12q15

Protein Families: Druggable Genome

Gene Summary: This gene encodes a microtubule-binding nuclear protein that localizes to the centrioles of dividing cells and differentiating multiciliated cells and negatively regulates centriole duplication. The encoded protein is closely associated with the centriole barrel, and resides in the centriole lumen. Naturally-occurring mutations in the orthologous mouse gene are associated with age-related retinal degeneration. [provided by RefSeq, Feb 2019]

Product images:



Circular map for RG234702