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Product datasheet for SC100908

MDM1 (NM_017440) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MDM1 (NM_017440) Human Untagged Clone
Tag:	Tag Free
Symbol:	MDM1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for NM_017440, the custom clone sequence may differ by one or more nucleotides

ATGCCGGTGCGCTTCAAGGGGCTGAGTGAATACCAGAGGAACTTCCTGTGGAAAAAGTCTTATTTGTCCG
AGTCTTGTAATTCCTCCGTGGGGCGAAAGTACCCATGGGCTGGACTTAGATCAGATCAATTAGGCATCAC
GAAAGAGCCAAGTTTTATTTCAAAAAGAAGAGTCCCTTACCATGACCCACAGATTTCAAAATCTCTGGAG
TGGAATGGAGCTATCTCAGAGAGCAATGTGGTTGCATCACCAGAACCAGAAGCCCCGGAAACACCAAAAT
CACAAGAAGCAGAACAAAAGGATGTTACTCAAGAAAGAGTTCACTCACTAGAAGCTTCCAGGGTTCCCAA
AAGAACCAGATCTCACTCTGCAGACTCCAGAGCTGAAGGGGCTTCAGATGTGGAAAATAATGAGGGTGTA
ACAAACCATACACCAGTTAATGAAAATGTGGAACTGGAACATTCTACCAAGGTTCTTTCAGAAAATGTAG
ATAATGGGTTGGATAGACTTCTGCGTAAGAAAGCTGGATTGACTGTTGTTCCTTCATATAATGCCTTGAG
AAATTCTGAATATCAAAGGCAGTTTGTTTGGAAGACTTCTAAAGAAACTGCTCCAGCTTTTGCAGCCAAT
CAGGTTTTCCACAATAAAAGCCAGTTTGTTCCACCATTCAAAGGTAACTCAGTCATCCATGAAACTGAAT
ACAAAAGAAATTTCAAGGGTTTATCTCCAGTGAAAGAACCAAAATTAAGAAATGATTTGAGAGAAAACAG
AAATCTTGAAACAGTGTCTCCTGAAAGGAAGAGTAATAAAATAGACGATCGTTTAAAATTGGAAGCAGAG
ATGGAATTAAAAGACTTACACCAGCCTAAAAGGAAGCTTACTCCTTGGAAACATCAAAGGCTTGGGAAGG
TGAATTCCGAATATAGAGCAAAATTTCTGAGCCCAGCTCAGTATTTATATAAAGCTGGGGCTTGGACACA
TGTAAAGGGAAACATGCCAAATCAGGTTAAAGAACTCCGAGAAAAGGCTGAGTTTTATAGGAAGCGAGTT
CAGGGGACGCATTTTTCTCGGGACCATCTGAATCAGATTTTATCTGATAGCAACTGCTGTTGGGATGTCT
CCTCAACCACAAGCTCAGAAGGAACCGTTAGTAGCAACATCAGAGCATTAGATCTTGCTGGAGATCCTAC
AAGCCATAAGACTTTGCAGAAATGTCCTTCTACAGAACCAGAAGAAAAAGGAAATATCGTGGAAGAACAG
CCCCAGAAAAATACCACGGAGAAATTGGGTGTGTCAGCTCCCACCATACCCGTTAGAAGGCGGCTGGCTT
GGGATACAGAGAACACAAGTGAAGACGTACAGAAACAGCCCGGGGAGAAAGAGGAGGAGGACGACAATGA
AGAGGAAGGGGACAGGAAAACGGGCAAGCAGGCTTTTATGGGAGAGCAAGAGAAGTTGGATGTACGTGAG
AAATCTAAGGCAGATAAGATGAAAGAAGGGTCAGATTCTTCTGTATCCTCAGAAAAAGGAGGCCGGCTTC
CTACTCCCAAGCTGAGAGAACTTGGTGGAATCCAGAGGACTCATCATGATCTCACTACTCCAGCTGTTGG
TGGTGCTGTTTTAGTGTCTCCATCTAAGATGAAGCCTCCAGCCCCAGAACAGAGGAAAAGAATGACCTCT
CAGGATTGTTTAGAAACTTCAAAGAATGATTTTACTAAGAAAGAAAGTCGTGCTGTATCCCTACTGACTT
CTCCAGCTGCTGGTATAAAAACAGTTGATCCTCTGCCTTTGCGGGAAGATTCTGAAGACAATATCCACAA
ATTTGCTGAGGCAACTCTTCCAGTTTCAAAAATTCCAAAATACCCAACAAATCCCCCTGGACAGTTGCCT
TCTCCACCACATGTTCCATCCTACTGGCATCCCTCTCGACGAATTCAGGGCTCTCTTAGAGATCCAGAGT
TTCAGCACAATGTGGGAAAAGCAAGGATGAACAATTTGCAGTTACCTCAACATGAAGCCTTTAATGATGA
AGATGAGGACAGATTGTCTGAGATTTCTGCTCGCTCTGCAGCTTCTAGTCTCCGGGCTTTTCAAACTCTG
GCACGAGCTAAGAAAAGGAAGGAGAATTTCTGGGGTAAAACATAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017440 unedited
NGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGCGACATTCGCACGAGGTAACT
GTCGGAGTAGCGGGGGCTCCGGCGCCGGGCGACATGCCGGTGCGTTTCAAGGGGCTGAGT
GAATACCAGAGGAACTTCCTGTGGAAAAAGTCTTATTTGTCAGAGTCTTGTAATTCCTCC
GTGGGGCGAAAGTACCCATGGGCTGGACTTAGATCAGATCAATTAGGCATCACGAAAGAG
CCAAGTTTTATTTCAAAAAGAAGAGTCCCTTACCATGACCCACAGATTTCAAAATCTCTG
GAGTGGAATGGAGCTATCTCAGAGAGCAATGTGGTTGCATCACCAGAACCAGAAGCCCCG
GAAACACCAAAATCACAAGAAGCAGAACAAAAGGATGTTATTCAAGAAAGAGTTCACTCA
CTAGAAGCTTCCAGGGTTCCCAAAAGAACCAGATCTCACTCTGCAGACTCCAGAGCTGAA
GGGGCTTCAGATGTGGAAAATAATGAGGGTGTAACAAACCATACACCAGTTAATGAAAAT
GTGGAACTGGAACATTCTACCAAGGTTCTTTCAGAAAATGTAGATAATGGGTTGGATAGA
CTTCTGCGTAAGAAAGCTGGATTGACTGTTGTTCCTTCATATAATGCCTTGAGAAATTCT
GAATATCAAAGGCAGTTTGTTTGGAAGACTTCTAAAGAAACTGCTCCAGCTTTTGCAGCC
AATCAGGTTTTCCACAATAAAAGCCAGTTTGTTCCACCATTCAAAGGTAACTCAGTCATC
CATGAAACTGAATACANAAGAAATTTCAGGGGTTTATNCTNCAGTGAAAGAACCAAATTN
AGAAATGATTTGAGAGAAACCAGAATCTGNAAACAGTGTCTCCTGAAGGGNAAGAGTATA
ATAGNACGATCGTTAAAATGGNAGCAGAGATGGATTAAANGAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017440 unedited
GACGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGCACTTGATCCATTTTT
ATTTCAAAATGTCTACAAAGTTTTAATTCTCCATTATACAGGTAATTTTTCAAAATCTAG
ACATTATTCAAATGTAAGCCAAAGTCCTTACACAAATAGAATACACTCAAAGATCAAAAA
TATACATATCTTTCAGCAAACTTTGTTACATAAATAAGAAAAATATATACAGCTGGTGTT
TTCAAAGTACAATTATCTTAACACTGCAAACATGTATAGAAGGAACTAAAATAAAAAGAA
ACACTACAGCAAAGGTTAAAGGAACAACAAATTCATTTTACAACATCATCAATTATAAAG
ATACATATATCAAATCTTAGGGGAATATATACTTCACACTGGGATCTTAACTTTTACTTC
ACTTTGTTTATTTTTTTAGAATACTCTCTGGATAGGTGAAAATCTATCCATGACACCTAT
TACGAAAGTTACATGTGAAGAATTCAATAATCTAGGTCTTTGTACTCTGGGATAGATGTA
AAAAGAATTCTTTAAAAGTTAAATTTGTATAAGCCTATGTTAACAATTTCCAAGTAAACT
GTTCTATTGGAAATTAAATATTTCANAGTAGAAAATGTTAGGAAAAACTTCACTCAAAAA
ATTTTACACAGTAAGCAATAAAGAAAAATTATGCCATGTTTCCTTAGATAAAGGGCACTC
AGCTAGGTTTATGTTTTACCCCAGAAAATCTCCCTCCCTTTTCTAACTCGTGCCACAGTT
TGAAAGCCCGGAGACTATAAGCTGCAGAGCGAGCAGAATCTCAGAACAACTGTGCCTCAC
TTCATCATTAAGGGCTTCTGGTGGAGGTAACCGGCAATGGTCATCCTTGCTTTTCCCCAA
TGGGCTGAAACTCTGGGACTTTAAGAAGCCCTGAATTCTCAGAGGGATGCCTTAGGAAGG
AAAGTGGGGGAAAAGGACCGGCCCGGGGATTGTGGGGATTTGGAATTTTAN

Restriction Sites: NotI-NotI

ACCN: NM_017440

Insert Size: 2750 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_017440.2, NP_059136.1
RefSeq Size:	2937 bp
RefSeq ORF:	2145 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] Transcript Variant: This variant (1) encodes the longest isoform (1).