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# Product datasheet for SC329784

## MDM1 (NM_001205029) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | MDM1 (NM_001205029) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | MDM1 |
| **Vector:** | pCMV6-Entry (PS100001) |
| **Fully Sequenced ORF:** | >SC329784 representing NM_001205029.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s)<br><br>ATGCCGGTGCGCTTCAAGGGGCTGAGTGAATACCAGAGGAACTTCCTGTGGAAAAAGTCTTATTTGTCC<br>GAGTCTTGTAATTCCTCCGTGGGGCGAAAGTACCCATGGGCTGGACTTAGATCAGATCAATTAGGAAAT<br>CAAGGCAGATGTAGAACCAAGATCCAGCACAGTGACATCTCATCCCTTCTCATCTTGGTCTGCTCCACA<br>TAA |
| **Restriction Sites:** | SgfI-MluI |
| **ACCN:** | NM_001205029 |
| **Insert Size:** | 210 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001205029.1 |
| **RefSeq Size:** | 2790 bp |

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| | |
|---|---|
| **RefSeq ORF:** | 210 bp |
| **Locus ID:** | 56890 |
| **UniProt ID:** | Q8TC05 |
| **Cytogenetics:** | 12q15 |
| **Protein Families:** | Druggable Genome |
| **MW:** | 7.9 kDa |
| **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]<br>Transcript Variant: This variant (3) lacks many 3' exons and differs at the 3' end compared to variant 1. This results in a frame-shift and a much shorter isoform (3) with a distinct C-terminus compared to isoform 1. |