

Product datasheet for **MC227981**

Mdm4 (NM_001302802) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm4 (NM_001302802) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mdm4
Synonyms:	4933417N07Rik; AA414968; AL023055; AU018793; AU021806; C85810; Mdmx
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227981 representing NM_001302802
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACATCACATTCCACCTCGGCCAGTGTTCAGCATCTGACAGTCTTGCAGAATTTCTCGGAACAAA
 TTAGTCAGCAGGTGCGGCCAAAACCTGCAGCTTTTGAAGATTTTGCATGCAGCAGGTGCGCAGGGGAAGT
 ATTCACCATGAAAAGAGGTAATGCACTATCTAGGCCAGTATATAATGGTGAAGCAGCTCTATGATCAACAG
 GAGCAACATATGGTATACTGTGGTGGAGATCTTTTGGGAGATCTACTTGGATGTCAGAGCTTTTCTGTGA
 AAGATCCAAGCCCTCTCTATGACATGCTAAGAAAGAATCTTGTACATCAGCTTCTATTAACACAGATGC
 TGCTCAGACTCTCGCTCTGCACAGGATCACACTATGGATTTTCCAAGTCAAGACCGACTGAAGCACGGT
 GCAACAGAATACTCCAATCCCAGAAAAAGAACTGAAGAAGAGGATACTCACACTGCCTACCTCACGAC
 ATAAATGCAGAGACTCCAGAGCAGATGAAGACTTGATAGAACATTTATCTCAAGATGAGACATCTAGGCT
 TGACCTTGATTTTGGAGAGTGGGACGTTGCTGGCCTGCCTTGGTGGTTTCTAGGGAAATTTGAGAAACAAC
 TGATTCCATAAAAGTAATGGCTCAACTGATTTACAGACAAATCAGGATATAGGTAAGTACTGCCATTGTTTCAG
 AACTACGGATGATTTGTGGTTTTAAATGAGACCGTGTGAGAGCAATTAGGTGTTGGAATAAAAGTTGA
 AGCTGCTAATTCTGAGCAACAAGTGAAGTAGGAAAAACAAGTAACAAGAAGACGGTGGAGGTGGGAAAG
 GATGATGATCTTGAGGACTCCAGGTCCTTGAGCGATGATACTGACGTGGAACCTTACCTCTGAGGATGAGT
 GGCAGTGTACGGAATGCAAGAAGTTAATTCTCCAAGCAAGAGGTAAGTGTTCGTTGCTGGGCCTTGAG
 AAAGGATTGGTATTCGGATTGTTCTAAATTAACCTATCCCTATCTACATCTAATATTACTGCCATACCT
 GAAAAGAAGGACAATGAAGGAATTGATGTTCCCGATTGTAGGAGAACCATTTAGCTCCTGTTGTTAGGC
 CTAAGATGGATATTTAAAGGAGGAAAAGCCAGGTTTGACCCCTGCAACTCAGTGGGATTTTGGATTT
 GGCTCATAGTTCTGAAAGCCAGGAGATCATCTCAAGCGCGAGAGAACAACAGATATTTTTCTGAGCAG
 AAAGCTGAAACAGAAAGTATGGAAGATTTCCAGATGTCTTGAAGCCGTGTAGCTTATGTGAAAAAAGGC
 CTCGGGATGGGAACATTATTCATGGGAAGACGAGCCATCTGACGACATGTTTCCACTGTGCCAGGAGACT
 GAAGAAGTCTGGGGCTTCGTGCTCTGTTGTAAGAAAGAGATTGAGTTGGTTATTAAGTTTTTATAGCA
 TAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001302802
- Insert Size:** 1473 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001302802.1](#), [NP_001289731.1](#)

RefSeq Size: 7107 bp

RefSeq ORF: 1473 bp

Locus ID: 17248

UniProt ID: [O35618](#)

Cytogenetics: 1 57.75 cM

Gene Summary: This gene encodes a protein that has been shown to negatively regulate the activity of the tumor suppressor protein p53. Homozygous knockout mice exhibit embryonic lethality as a result of p53-dependent apoptosis and cell cycle arrest. Amplification of this gene or overexpression of the encoded protein has been linked to a range of human cancers. A pseudogene has been identified on the X chromosome. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2014]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1).