

Product datasheet for MR229495

Mdm4 (NM_001302804) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm4 (NM_001302804) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mdm4
Synonyms:	4933417N07Rik; AA414968; AL023055; AU018793; AU021806; C85810; Mdmx
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229495 representing NM_001302804 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATTTTCCAAGTCAAGACCGACTGAAGCACGGTGCAACAGAATACTCCAATCCAGAAAAAGAACTG
AAGAAGAGGATACTCACACTGCCTACCTCACACATAAATGCAGAGACTCCAGAGCAGATGAAGACTT
GATAGAACATTTATCTCAAGATGAGACATCTAGGCTTGACCTTGATTTTGAGGAGTGGGACGTTGCTGGC
CTGCCTTGGTGGTTTCTAGGGAATTTGAGAACTGTATTCCCTAAAAGTAATGGCTCAACTGATTAC
AGACAAATCAGGATATAGGTACTGCCATTGTTTCAGACTACGGATGATTTGTGGTTTTAAATGAGAC
CGTGTCAGAGCAATTAGGTGTTGGAATAAAAGTTGAAGCTGCTAATTCTGAGCAACAAGTGAAGTAGGG
AAAACAAGTAACAAGAAGACGGTGGAGTGGGAAAGGATGATGATCTTGAGGACTCCAGGTCCTTGAGCG
ATGATACTGACGTGGAACCTACCTCTGAGGATGAGTGGCAGTGTACGGAATGCAAGAAGTTAATTCTCC
AAGCAAGAGGACTGTTTTCGTTGCTGGCCTTGAGAAAGGATTGGTATTCGGATTGTTCTAAATTAAC
CATTCCCTATCTACATCTAATATTACTGCCATACCTGAAAAGAAGGACAATGAAGGAATTGATGTTCCCG
ATTGTAGGAGAACCATTTCAGCTCCTGTTGTTAGGCCTAAAGATGGATATTTAAAGGAGGAAAAGCCAG
GTTTGACCCTTGCAACTCAGTGGGATTTTTGGATTTGGCTCATAGTTCTGAAAGCCAGGAGATCATCTCA
AGCGCGAGAGAACAACAGATATTTTTCTGAGCAGAAAGCTGAAACAGAAAGTATGGAAGATTTCCAGA
ATGTTCTGAAGCCGTGTAGCTTATGTGAAAAAGGCCTCGGGATGGGAACATTATTCATGGGAAGACGAG
CCATCTGACGACATGTTTCCACTGTGCCAGGAGACTGAAGAAGTCTGGGGCTTCGTGCTGCTGTTAAG
AAAGAGATTCAGTTGGTTATTAAGTTTTATAGCA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229495 representing NM_001302804
 Red=Cloning site Green=Tags(s)

MDFPSQDRLKHGATEYSNPKRTEEDHTLPTS RHKCRDSRAEDLIEHLSQDETSRLDLDFEWDVAG
 LPWWFLGNLRNNCIPKSNGSTDLQTNQDIGTAIVSDTTDDLWFLNETVSEQLGVGVIKVEANSEQTSEVG
 KTSNKKTVEVGKDDDLSDSLSDDTVELTSEDEWQTECKKFNPSKRYCFRCWALRKDWSDCSKLT
 HSLSTSNITAIPEKKDNEGIDVDPDCRRTISAPVVRPKDGYLKEEKPRFPCNSVGFDLAHSSESQEIIS
 SAREQTDIFSEQKAETESMEDFQNVLKPCSLCEKRPDGNIIHGKTSHLTTCFHCARRLKKSGASCPACK
 KEIQLVIKVFIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

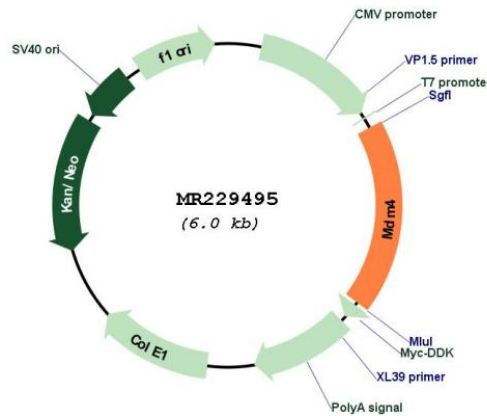
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001302804

ORF Size:	1086 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:	<ol style="list-style-type: none">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_001302804.1 , NP_001289733.1
RefSeq Size:	7194 bp
RefSeq ORF:	1089 bp
Locus ID:	17248
UniProt ID:	O35618
Cytogenetics:	1 57.75 cM
MW:	41.5 kDa
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]