

Specifications:

Gene:	hMDM4
Accession:	NP_002384
Insert size:	1486bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

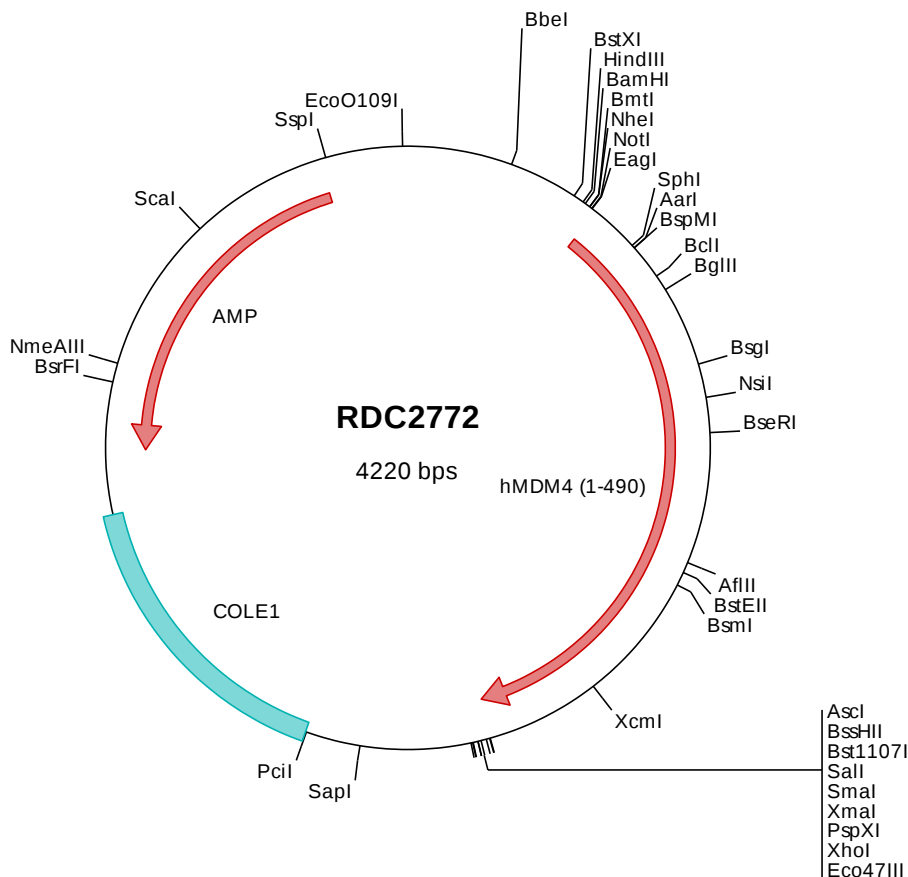
hMDMX/MDM4 **cDNA Plasmid**

MDM4 MDM4 regulator of p53
[*Homo sapiens* (human)]

Also known as: HDMX; MDMX;
MRP1

Summary:

MDM4 is a nuclear protein that contains a p53 binding domain at the N-terminus and a RING finger domain at the C-terminus and shows structural similarity to p53-binding protein MDM2. Both proteins bind the p53 tumor suppressor protein and inhibit its activity and have been shown to be overexpressed in a variety of human cancers. However, unlike MDM2 which degrades p53, MDM4 inhibits p53 by binding its transcriptional activation domain. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2772 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtc cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atgacatcat tttccacctc tgctcagttg tcaacatctg acagtgcttg
501  caggtatctct cctgggacaaa tcaatcaggt acgacacaaa ctgcgcgttt tgaagatttt gcatgcagca ggtgcgcaag gtgaaatggt cactgttaaa
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701  tactgggacg tcagagcttc tcagtgaagc acccaagccc tctctatgat atgctaagaa agaattcttg cacttttagc actgtacta cagatgctgc
801  tcagactctc gctctcgac aggatcacag tatggatatt ccaagtcaag accaactgaa gcaaagtgca gaggaaggtt ccacttcag aaaaagaact
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2301 tacggttata cacagaatca ggggataaac caggaagaaa catgtgagca aaagggccagc aaaagggccag gaaccgtaaa aagggcgcgt tgctggcgtt
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4101 aaaataaaca aatagggtt cgcgcacat ttccccgaaa agtgccacct gacgtctaa aaaccattat tatcatgaca ttaacctata aaaataggcg
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> RDC2772 Translated Insert Sequence

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201  wflgnlrsny tprsnsgtdl qtnqdvgtai vsdttddlwf lnesvseqlg vgikveaad eqtseevgkv sdkkvievgl nddledsksl sddtdvevts
301  edewqcteck kfnspskryc frwalrkdw ysdcsklths lstsditaip ekenegndvp dcrtisapv vrpkdaiykk ensklfdpcn svefldlahs
401  sesqetissm geqlndlseq rtdtenmedc qnlkpkscsl ekrprdnii hgrtghlvtc fhcarllka gascpickke iqlvikvfia

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