*h*MDM2/HDM2 VersaClone cDNA

Catalog Number: RDC2746

Specifications:

Gene:	*h*MDM2
Accession:	AAM78554
Insert size:	1489bp
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

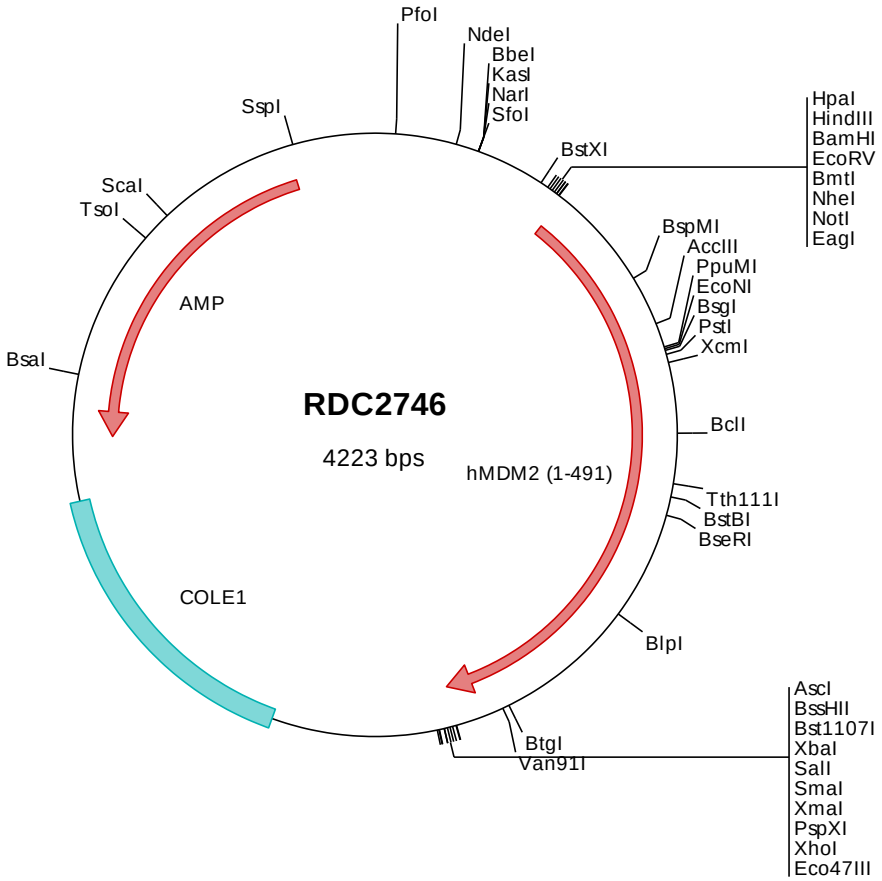
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*MDM2/HDM2 cDNA Plasmid

MDM2 MDM2 proto-oncogene
[*Homo sapiens* (human)]

Also known as: HDMX; hdm2; ACTFS

Summary:
MDM2 is a nuclear-localized E3 ubiquitin ligase. It can promote tumor formation by targeting tumor suppressor proteins, such as p53, for proteasomal degradation. Overexpression or amplification of this locus is detected in a variety of different cancers. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC2746 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgtgcaaca ccaacatgtc agtccctact gacggtgctg tgaccacttc
 501  tcagatcccc gcctcagagc aggaaaccct ggtccgcccc aagccactgc tgctgaagct gctgaagtct gtgggcgctc agaaggacac ctacactatg
 601  aaggaagtcc tgttctacct gggacagtac atcatgacta agcgtctgta cgacgagaag cagcagcaca tcgtgtactg ctcaaacgac ctgctgggtg
 701  acctgttcgg tgtcccttcc ttcagcgtga aggaacacag gaagatctac accatgatct acagaaacct ggtggtcgtg aaccagcagg agtcttcaga
 801  ctccggaact tctgtctcag aaaacaggtg ccacctggag ggaggtagcg accagaagga cctggtgcag gaactgcagg aggaaaagcc ttccagctct
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1001  acaagtccga cagcatctct ctgtcattcg acgagtcact ggctctgtgc gtgatcaggg aaatctgctg cgagagaagc tcttcatccg aatccaccgg
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1201  gtggagtctc tggactcaga agactactct ctgtcagagg agggtcagga gctgtcagac gaagacgacg aggtgtacca ggtcaccgtg taccaggctg
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1501  acccaggccg aggaaggttt cgacgtcccc gactgcaaga agactatcgt gaacgactcc cgcgagagct gcgtcgagga aaacgacgac aagatcaccc
1601  aggcttccca gagccaggaa tccgaggact actctcagcc atcaactagc tcttcaatca tctactccag ccaggaggac gtgaaggaat tcgagcgcga
1701  ggaaacccag gacaaggagg aaagcgtcga atcttcactg cctctgaacg ccatcgagcc ctgcgtgatc tgccaagggtc gtcccaagaa cggctgcatc
1801  gtccacggca agaccggcca cctgatggct tgcttcactt gcgccaagaa gctgaagaag cgcaacaagc cttgccccgt gtgccgtcag cctatccaga
1901  tgatcgtcct gacttacttc ccctaaaggc gcgccagtat actctagagt cgacacccgg ggaattcctc gagcgctcgt ctctagcttg gcgtaatcat
2001  ggtcatagct gtttcctgtg tgaaattgtt atccgctcac aattccacac aacatacgag ccggaagcat aaagtgtaaa gcctggggtg cctaatgagt
2101  gagctaactc acattaattg cgttgcgctc actgcccgct ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa tcggccaacg cgcggggaga
2201  ggcggtttgc gtattgggcg ctcttccgct tcctcgctca ctgactcgct gcgctcggtc gttcggctgc ggcgagcggt atcagctcac tcaaaggcgg
2301  taatacggtt atccacagaa tcaggggata acgcaggaaa gaacatgtga gcaaaaggcc agcaaaaggc caggaaccgt aaaaaggccg cgttgctggc
2401  gtttttccat aggctccgcc cccctgacga gcatcacaaa aatcgacgct caagtcagag gtggcgaaac ccgacaggac tataaagata ccaggcgttt
2501  cccctggaa gctccctcgt gcgctctcct gttccgaccc tgccgcttac cggatacctg tccgcctttc tcccttcggg aagcgtggcg ctttctcaat
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2801  acagagttct tgaagtggtg gcctaactac ggctacacta gaaggacagt atttggtatc tgcgctctgc tgaagccagt taccttcgga aaaagagttg
2901  gtagctcttg atccggcaaa caaaccaccg ctggtagcgg tggtttttttt gtttgcaagc agcagattac gcgcagaaaa aaaggatctc aagaagatcc
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3201  tctgtctatt tcgttcatcc atagttgcct gactccccgt cgtgtagata actacgatac gggagggctt accatctggc cccagtgctg caatgatacc
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3601  tccgatcgtt gtcagaagta agttggccgc agtgttatca ctcatggtta tggcagcact gcataattct cttactgtca tgccatccgt aagatgcttt
3701  tctgtgactg gtgagtactc aaccaagtca ttctgagaat agtgtatgcg gcgaccgagt tgctcttgcc cggcgtcaat acgggataat accgcgccac
3801  atagcagaac tttaaaagtg ctcatcattg gaaaacgttc ttcggggcga aaactctcaa ggatcttacc gctgttgaga tccagttcga tgtaacccac
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4001  acacggaaat gttgaatact catactcttc ctttttcaat attattgaag catttatcag ggttattgtc tcatgagcgg atacatattt gaatgtattt
4101  agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcca cctgacgtct aagaaaccat tattatcatg acattaacct ataaaaatag
4201  gcgtatcacg aggccctttc gtc
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> RDC2746 Translated Insert Sequence

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 101  tmiyrnlvvv nqqessdsgt svsenrchle ggsdqkdlvq elqeekpsss hlvsrpstss rrraisetee nsdelsgerq rkrhksdsis lsfdeslalc
 201  vireiccers sssestgtps npdldagvse hsgdwldqds vsdqfsvefe vesldsedys lseeggelsd eddevyqvtv yqagesdtds feedpeisla
 301  dywkctscne mnpplpshcn rcwalrenwl pedkgkdkge isekaklens tqaeegfdvp dckktivnds rescveendd kitqasqsqe sedysqpsts
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