

RDM1 cDNA

Catalog Number: ATGD0454

PRODUCT INFORMATION

Catalog number

ATGD0454

Product type

cDNA

Species

Human

NCBI Accession No.

NP_663629.1

Alternative Names

RAD52B

mRNA Refseq

NM_145654.3

OMIM

612896

Chromosome location

17q11.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

855bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

RDM1 cDNA

Catalog Number: ATGD0454

RDM1 is involved in the cellular response to cisplatin, a drug commonly used in chemotherapy. This protein contains two motifs: a motif found in RAD52, a protein that functions in DNA double-strand breaks and homologous recombination, and an RNA recognition motif (RRM) that is not found in RAD52. Alternatively spliced transcript variants encoding different isoforms have been reported

DATA

Sequence nucleotides

```
ATGGCGGAGTTGGTACCTTTTGC GGTTCCCATCGAGAGTGACAAAACCTTGCTAGTGTGGGAGCTGAGCTCCGGACCCACG
GCCGAGGCTTTGCATCATTCTCTGTTACAGCATTCTTCTCAGTTTGGCCTTCTGTATTTCAGTCCGGGTCTTCCCAAATGCTGC
AGTGGCCCATCCTGGTTTCTATGCCGTCATTAAGTTTTATTCTGCAAGGGCTGCCACAGAGCCCAAAAGGCATGCGACCG
GAAGCAGCTTTTTTCAGAAATCTCCAGTCAAGGTTTCGTCTTGGCACCAGACATAAAGGCAGTTCAACATCAAGCCCTTGCCCTG
AACAGTTCCAAATGCCAAGAAGTGGCGAATTACTACTTTGGTTTCAATGGGTGTTCCAAAAGGATCATCAAGCTTCAGGAGC
TTTCTGACCTTGAAGAAAGGGAAAATGAAGATAGCATGGTGCCACTTCCGAAGCAAAGCCTGAAGTTCTTCTGTGCTTTAGA
AGTGGTGTGGCCATCCTGTGATTGCAGGAGTCCTGGCATTGGCTTGGTGGAGGAGCCTATGGATAAGGTGGAGGAAGGAC
CATTATCATTCTTATGAAAAGGAAGACAGCCCAGAAGCTTGCTATTTCAGAAGGCTTTGTCAGATGCATTCCAGAAACTGTT
GATTGTTGTTCTAGAAAAGTGGTAAAATAGCTGTGGAGTACAGACCCAGTGAAGACATCGTAGGTGTCAGATGCCAAGAAGA
ACTACACGGTTTAATTCAAGTCCCTTGCTCTCCCTGGAAGCAGTATGGCCAAGAGGAGGAAGGGTATCTCTCGGATTTTCAGC
TTGGAGGAGGAAGAGTTCAGGCTGCCAGAACTTGACTAG
```

Transaction Sequence

```
MAELVPFAVP IESDKTLLVW ELSSGPTAEA LHHSLFTAFS QFGLLYSVRV FPNAAVAHPG FYAVIKFYSA RAAHRAQKAC
DRKQLFQKSP VKVRLGTRHK AVQHQUALALN SSKCQELANY YFGFNGCSKR IIKLQELSDL EERENEDSMV PLPKQSLKFF
CALEVVLVPC DCRSPGIGLV EEPMDKVEEG PLSFLMKRKT AQKLAIQKAL SDAFQKLLIV VLESGKIAVE YRPSEDIVGV
RCEEELHGLI QVPCSPWKQY GQEEEGYLSDF SLEEEEFRL PELD
```