

Specifications:

Gene:	<i>hRRM1</i>
Accession:	NP_001024.1
Insert size:	2392bp
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.

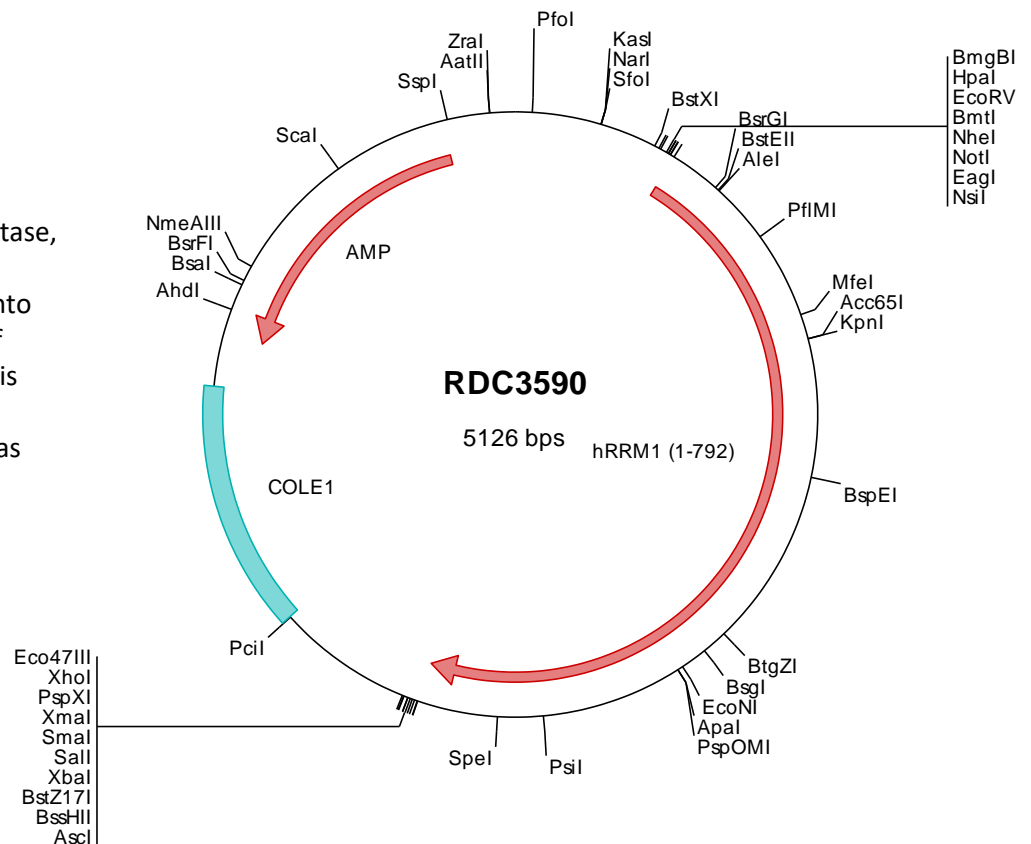
hRRM1 cDNA Plasmid

RRM1 ribonucleotide reductase catalytic subunit M1 [*Homo sapiens* (human)]

Also known as: R1; RR1; RIR1

Summary:

RRM1 is the large and catalytic subunit of ribonucleotide reductase, an enzyme essential for the conversion of ribonucleotides into deoxyribonucleotides. A pool of available deoxyribonucleotides is important for DNA replication during S phase of the cell cycle as well as multiple DNA repair processes. Alternative splicing results in multiple transcript variants.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3590 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaaacc totgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
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201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtgcccggcc tcttcgctat
301 tacgcccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgcccagggt ttcccagctc acgacgttgt aaaacgacgg ccagtgatt
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> RDC3590 Translated Insert Sequence

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