



HRRM1 [STSG-10564]

99484™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* HB101 (ATCC 33694)

Storage Conditions

Product format: Freeze-dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

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Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Insert Information

Insert size (kb): 2.379

Type of DNA: cDNA

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

Insert 5' end: Modification: SacI site

Insert 3' end: Modification: PstI site

Cross references: DNA Seq. Acc.: X59617

Nucleotides ~1~2379 of the insert correspond to nucleotides 182-2560 of X59617.

Genome: Homo sapiens

Chromosome: 11

11 p15.5-p15.4

Gene name: ribonucleotide reductase M1 polypeptide

Gene product: ribonucleotide reductase M1 polypeptide(ribonucleoside diphosphate reductase, M1 subunit) [RRM1]

Gene symbol: RRM1

Alleles: A2, A2, A1

Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 6.329999923706055

Intact vector size: 3.900

Vector name: pCRII

Type of vector: phagemid

Host range: *Escherichia coli*

Vector end: TA site

Cloning sites: TA cloning between EcoRI sites

Insert detection: lacZ'

Markers: kanR; ampR

Polylinker sites: NsiI; HindIII; KpnI; SacI; BamHI; SpeI; BstXI; EcoRI; EcoRI; EcoRV; BstXI; NotI; Aval; XmaIII; XhoI; NsiI; XbaI; ApaI

Promoters: lac; SP6; T7

Replicon: pMB1

Growth Conditions

Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--4.6, 1.7; SacI--4.0, 2.3; PstI--2.7, 2.4, 1.2; HindIII--3.7, 2.3; PstI/SacI--2.7, 2.4, 1.2.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): HindIII--0.07; EcoRI--0.39, 0.93, 1.69; BamHI--0.53, 2.37.

- GenBank/EMBL/DDBJ

Constructed by PCR using primers generating a SacI site just upstream of the initiation codon (5' GCTCGAGCTCATG 3') and a PstI site just after the termination codon (5' TGAG CTGCAGCTGC 3').

- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the

following manner: HRRM1 [STSG-10564] (ATCC 99484)

References

References and other information relating to this material are available at www.atcc.org.

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