



HRRM2

99486™

Product Sheet

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

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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): 1.1699999999999999

Type of DNA: cDNA

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Insert 5' end: Modification: BamHI site

Insert 3' end: Modification: HindIII site

Cross references: DNA Seq. Acc.: X59618

Nucleotides ~1~1169 of the insert correspond to nucleotides 195-1364 of X59618.

Genome: Homo sapiens

Chromosome: 2

2 p25-p24

Gene name: ribonucleotide reductase M2 polypeptide

Gene product: ribonucleotide reductase (ribonucleoside-diphosphate reductase) small subunit(ribonucleotide reductase, small subunit, ribonucleotide reductase M2 polypeptide) [RRM2]

Gene symbol: RRM2

Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 5.125

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--3.8, 1.2;

HindIII--4.9; HindIII/EcoRI--3.9, 1.2; PstI--3.2, 1.1, 0.7; Sall--4.9.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): Sall--0.08; PstI--0.68; EcoRI--1.14.

- GenBank/EMBL/DDBJ

Constructed by PCR using primers that generated a BamHI site upstream of the initiation codon (5' ATCCGGATCCACTATG 3') and a HindIII site downstream of the termination codon (5' TAAATAAGCTTAAGC 3').

- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: HRRM2 (ATCC 99486)

References

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

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