



Product Sheet

HRRM2 (ATCC® 99486™)

Homo sapiens

Please read this **FIRST**



Intended Use

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

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Homo sapiens* (ATCC® 99486™)

Shipping Information

Distributed: freeze-dried

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: HRRM2

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

Distributed In

Distribution host: Escherichia coli HB101 (ATCC 33694)

Insert Information

DNA: cDNA
DESCRIPTION OF INSERT COMPONENT:
Genome: Homo sapiens
Gene symbol: RRM2
Gene name: ribonucleotide reductase M2 polypeptide
Contains complete coding sequence?: Y
Chromosome: 2; Localization: 2 p25-p24
Type of DNA: cDNA
Insert 5' end: Modification: BamHI site
Insert 3' end: Modification: HindIII site
Insert size (kb): 1.17
Cross references: DNA Seq. Acc.: X59618
Nucleotides ~1~1169 of the insert correspond to nucleotides 195-1364 of X59618.
Insert lengths(kb): 1.169999957084656
Gene product: ribonucleotide reductase (ribonucleoside-diphosphate reductase) small subunit(ribonucleotide reductase, small subunit, ribonucleotide reductase M2 polypeptide) [RRM2]

Vector Information

Construct size (kb): 5.125
DESCRIPTION OF VECTOR COMPONENT:
Name of vector: pCRII
Intact vector size: 3.900
Type of vector: phagemid
Vector end: TA site
Vector end: TA site
Cloning sites: TA cloning between EcoRI sites
Polylinker sites: NsiI HindIII KpnI SacI BamHI SpeI BstXI EcoRI EcoRI EcoRV
BstXI NotI Aval XmaII XhoI NsiI XbaI ApaI
Host range: Escherichia coli
Features (with orientation and position when available):
insert detection: lacZ'
marker(s): ampR, kanR
promoter: lac, SP6, T7
replicon: pMB1
Cross references:



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Propagation

Growth Conditions

Temperature: 37.0°C

Medium

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

References

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

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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