ATCC

Product Sheet

pR16.11 purified plasmid DNA (ATCC® VRMC-8™)

HRV type 16 molecular clone

Please read this FIRST

Biosafety Level
2

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: *HRV type 16 molecular clone* (ATCC® VRMC-8™)

Shipping Information

200 ng dried plasmid DNA

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: pR16.11 purified plasmid DNA

Notes

The complete insert was found to differ from the GenBank sequence L24917 as follows (position in VRMC-8 sequence and base): 715 C, 2266 G, 2267 G, 2393 G, 2419 G, 2620 G, 2795 A, 3324 A, 3640 C, 3652 C, 4678 A, 4878 G, 4914 A, 5341 G, 6150 G, 6394 T, 6457 A, 6511 A.
- J. Virology 77: 6235-6244, 2003

Insert Information

Insert: Human rhinovirus (HRV) type 16 cDNA
Classification: *Picornavirus, Rhinovirus*, Human
Insert description (full-length, etc.): full-length HRV 16 cDNA
Insert size (kb): 7.124 kb + poly A tail
Full/partial sequence available (ie. GenBank #): L24917, with differences noted (J. Virology 77: 6235-6244, 2003)

Markers (genes and/or restriction sites):

Enzyme	# sites	Fragment Length	Location of Cuts
BamH1	2	6455; 3005	
Pst1	3	6298; 2365; 527	
Kpn1	3	4452; 4002; 1006	
BglII	4	5085;2045;1864;466	

Vector Information

Construct Size (Vector + Insert) (kB): 9.460
Host required: *E. coli* MV1193
Host medium: LB broth with 50 µg/mL ampicillin (ATCC Medium #1227)
Type of vector: *E. coli* plasmid
Name of vector: pUC19 + T7 promoter
Vector size (kb): nucleotides 1 to 400 and 2678 to 2686 were deleted in the cloning process.
Markers (ie. AMP^R): AMP^R
Cloning site: BamHI

Propagation

1. Rehydrate plasmid with water or TE buffer.
2. Plasmid can be transformed into a suitable *E. coli* host using standard protocols and then grown in LB + 50 µg/mL amplicillin.
3. Incubate cultures at 37°C.
4. Isolate DNA using standard plasmid preparation procedures.

References

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

Biosafety Level: 2

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

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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.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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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