



# pR16.11 purified plasmid DNA

VRMC-8™

## Description

**Organism:** HRV type 16 molecular clone

**Clone type:** Clone

**Deposited As:** Human rhinovirus type 16

**Shipping information:** Plasmid DNA

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## Storage Conditions

**Product format:** Dried

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## 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.

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## BSL 2

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.

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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](http://www.atcc.org).

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## Insert Information

**Insert size (kb):** 7.1200000000000001

**Insert information:**

**Insert:** Human rhinovirus (HRV) type 16 cDNA

**Classification:** *Picornavirus, Rhinovirus, Human*

**Insert description (full-length, etc.):** full-length HRV 16 cDNA

**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

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## Vector Information

**Construct size (kb):** 9.460

**Vector name:** pUC19 + T7 promoter

**Type of vector:** *E. coli* plasmid

**Vector information:** Host required: *E. coli* MV1193

Host medium: LB broth with 50 µg/mL ampicillin (ATCC Medium #1227)

Vector size (kb): nucleotides 1 to 400 and 2678 to 2686 were deleted in the cloning process.

**Cloning sites:** BamHI

**Markers:** ampR

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## Handling Procedures

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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 ampicillin.
  3. Incubate cultures at 37°C.
  4. Isolate DNA using standard plasmid preparation procedures.
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### 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

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### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pR16.11 purified plasmid DNA (ATCC VRMC-8)

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### References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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