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

Storage Conditions

Product format: 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 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.

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

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

Handling Procedures

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.

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

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)

References

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

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