



pRep(A) [pREP] 87702™

Product Sheet

Description

This is a Rous Sarcoma (RSV) derived vector (5' LTR, gag, pol and 5' env), for ligation with avian retroviral expression vectors (ATCC# 87699 ? 87701) to create proviral DNA capable of producing replication competent recombinant virus. The vector can be linearized with Sall for ligation to one of the RSV-derived expression vectors. The parental plasmid pSR-REP which encodes pol, derived from the Schmidt-Ruppin subgroup A strain of RSV, was described in Cell 34: 597-607, 1983. The pol sequence is derived from the Bryan strain of RSV and is more efficient in virus production after transfection.

Clone type: Vector

Shipping information: *Escherichia coli* containing the plasmid

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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.

Vector Information

Construct size (kb): 9.199999809265137

Vector name: pRep(A) (plasmid)

Type of vector: plasmid

Construction: RSV (5' LTR, gag, pol, 5' env), pBR322

Vector information:

other: 5' LTR

Coding sequence: 5' env; gag; pol(derived from the Bryan strain of RSV)

Markers: ampR

Replicon: pMB1

Restriction sites: Sall

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 gave the following sizes (in kb): EcoRV 9.4 ; NdeI 9.4 ; Sall 9.4.
ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pRep(A) [pREP] (ATCC 87702)

References

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

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