



# pRep(A) [pREP] 87702™

## 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

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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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 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*

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(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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## 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

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## Growth Conditions

**Medium:**

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

**Temperature:** 37°C

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## Notes

Restriction digests of the clone gave the following sizes (in kb): EcoRV 9.4 ; NdeI 9.4 ; Sall 9.4.

ATCC Staff

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## 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)

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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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## Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

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