



# lambdaYES-R

87271™

## Description

**Clone type:** Vector

**Shipping information:** bacteria-free lysate

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## Storage Conditions

**Product format:** Frozen

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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 (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

## lambdaYES-R

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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):** 42.6

**Intact vector size:** 42.600

**Vector name:** lambdaYES-R (phage, lambda - replacement)

**Type of vector:** phage

**Construction:** lambdagt6; pSE936

**Host range:** *Escherichia coli*

**Vector information:**

other: left arm (19.6 kb), ->

other: lox, ->

other: lox, ->

other: right arm (15.2 kb, with cl857)

other: left arm (19.6 kb)

other: lox

other: right arm (15.2 kb, with cl857)

**Centromere:** CEN4

**Cloning sites:** XhoI; EcoRI

**Markers:** ampR; URA3

**MCS:** XhoI EcoRI, ->

**Polylinker sites:** EcoRI; XhoI; EcoRI

**Promoters:** GAL1, ->; lac, <-

**Replicon:** ARS1; pMB1

**Terminator:** HIS3, ->

**Transcription terminator:** HIS3

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### Growth Conditions

**Temperature:** 37°C

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### Notes

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Restriction digests of the clone give the following sizes (kb): EcoRI--24.0, 20.0; NotI--44.0; XhoI--24.0, 20.0.

- ATCC staff

Vector for the construction of cDNA libraries permitting regulated expression in both yeast and E. coli and simple conversion to plasmid via the cre-lox system. The plasmid derivative (pSE936, 7.8 kb) is a YC-type shuttle expression vector.

- personal communication

The lac promoter contains a ribosome binding sequence optimally spaced from an AUG start codon and can support translational fusions.

- Proc. Natl. Acad. Sci. USA 88: 1731-1735, 1991

Transcription initiated from the GAL1 promoter in yeast hosts can be terminated at the HIS3 terminators. GAL1 does not provide translational start signals.

- Proc. Natl. Acad. Sci. USA 88: 1731-1735, 1991

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### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: lambdaYES-R (ATCC 87271)

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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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### **Revision**

This information on this document was last updated on 2025-09-12

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