lambdaADH

87268™

Description

Clone type: Vector
Shipping information: bacteria-free lysate

Storage Conditions

Product format: Frozen

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): 42.40
Intact vector size: 42.400
Vector name: lambdaADH (phage, lambda - replacement)
Type of vector: phage
Construction: lambdaYES-R, pADH
Host range: *Escherichia coli*
Vector information:
Cloning capacity: 0 - 8.4 kb
>
other: left arm (19.6 kb), ->
other: lox, ->
other: right arm (15.2 kb, with cI857)
other: left arm (19.6 kb)
other: lox
other: right arm (15.2 kb, with cI857)<
Centromere: CEN4
Cloning sites: XhoI; EcoRI
Markers: ampR; URA3
MCS: XhoI EcoRI, ->
Polylinker sites: BglII; EcoRI; BamHI; XhoI; BglII
Promoters: ADH; lac
Replicon: ARS1; pMB1
Terminator: HIS3, ->
Transcription terminator: HIS3

Growth Conditions

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): EcoRI--43.0; SalI--21.0, 13.5, 13.0; XhoI--25.0, 21.0.
- 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 (pADH, 7.75 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 ADH promoter in yeast hosts can be terminated at the HIS3 terminators.
- Proc. Natl. Acad. Sci. USA 88: 1731-1735, 1991

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: lambdaADH (ATCC 87268)

References

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

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Revision

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