



pAR3

87026TM

Product Sheet

Description

Clone type: Vector

Host: *Escherichia coli* DH1

Storage Conditions

Product format: Freeze-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 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



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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): 3.32

Intact vector size: 3.320

Vector name: pAR3 (plasmid)

Type of vector: plasmid

Construction: pACYC184, pARA12

Host range: *Escherichia coli*

Vector information:

Features (with orientation and position when available):

Cloning sites: PstI; NarI; BglII; KpnI; HindIII

Coding sequence: araC, ->; araC

Markers: cmLR

MCS: HindIII...Ncol, ->

Polylinker sites: Ncol; PstI; NarI; EcoRV; BglII; KpnI; HindIII

Promoters: paraB

Replicon: p15A

Growth Conditions

Medium:

ATCC Medium 2272: LB Medium (Miller) with chloramphenicol 25 mcg/ml

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BglII--3.4;

EcoRV--2.5, 0.45 (doublet); PstI--3.4.

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This vector is compatible with ColE1-derived plasmids and allows efficient expression of recombinant genes upon induction with arabinose. These features make it convenient to be used in combination with standard gene expression vectors for the independently controlled production of two recombinant polypeptides in *E. coli*.

- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pAR3 (ATCC 87026)

References

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

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