



pAD2

87469™

Description

Clone type: Vector

Host: *Escherichia coli* HB101 (ATCC 33694)

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

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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.

Insert Information

Target gene: 2-aminoadipate reductase

Vector Information

Construct size (kb): 6.352

Intact vector size: 6.352

Vector name: pAD2 (phagemid)

Type of vector: phagemid

Construction: pRS406

Host range: *Saccharomyces cerevisiae*; *Escherichia coli*

Vector information:

Other unique sites: BamHI

other: LYS2 deleter cassette

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Markers: ampR; URA3

Replicon: f1, \leftarrow ; pMB1

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 give the following sizes (kb): KpnI--6.3;

KpnI/SstI--4.3, 2.0; ClaI--6.3.

- ATCC staff

Deleter vector for constructing designer yeast strains with a non-revertable deletion of a *lys2* auxotrophic marker.

- Yeast 14: 115-132, 1998

The two step selection process requires a *ura3* transformation host (this host can be created using pJL164 (ATCC 87471)). After transformation with the *Cl*I linearized vector, URA3 integrants are selected on *ura*- plates.

- Yeast 14: 115-132, 1998

The designer deletion strain is then recovered by selection on 5-FOA plates (loss of URA3 and LYS2 markers by a homologous recombination event).

- Yeast 14: 115-132, 1998

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pAD2 (ATCC 87469)

References

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

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