



p423 ADH

87371™

Description

This is a high copy number shuttle expression vector. One of 32 yeast expression vectors (ATCC#87354-87385) differing in promoter (GPD, TEF, ADH, CYC1), selection marker (HIS3, TRP1, LEU2, URA3) and replicon (CEN6/ARSH4, 2 micron). This plasmid, p423 ADH, has the ADH promoter, the HIS3 marker and the yeast 2 micron replicon. The wild type ADH promoter is active when cells are grown in glucose media but can be repressed 2-10 fold on non-fermentable carbon sources.

Clone type: Vector

Shipping information: *Escherichia coli* containing the plasmid

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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): 7.529

Vector name: p423 ADH (plasmid)

Type of vector: plasmid

Construction: pRS423

Markers: HIS3; ampR

MCS: XhoI...XbaI

Promoters: Expression: ADH

Replicon: 2 micron

Terminator: CYC1

Growth Conditions

Medium:

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

Temperature: 37°C

Notes

Restriction digests of the vector gave the following sizes (in kb): BamHI 7.6 ; EcoRI 7.6 ; SacI/XbaI 3.2, 2.8, 1.5.

ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: p423 ADH (ATCC 87371)

References

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

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