# p423 GALL

**87335™**

## 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

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):** 6.459000110626221
**Intact vector size:** 6.459
**Vector name:** p423 GALL (plasmid)
**Type of vector:** plasmid
**Construction:** pRS423, GALL promoter
**Host range:** *Saccharomyces cerevisiae*; *Candida robusta*; *Escherichia coli*
**Cloning sites:** SpeI; BamHI; SmaI; EcoRI; EcoRV; ClaI; SalI; XhoI
**Markers:** HIS3; ampR
**MCS:** XhoI...SpeI, ->, 2337-2394
**Polylinker sites:** XbaI; SpeI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; ClaI; SalI; XhoI
**Promoters:** GALL, <-, 2401-2831
**Replicon:** 2 micron
**Terminator:** CYC1, ->, 2077-2337

## 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): SacI/XbaI--3.2, 2.8, 0.45; EcoRI--6.5; KpnI--5.5, 1.0.
- ATCC staff

High copy number shuttle expression vector.
- Nucleic Acids Res. 22: 5767-5768, 1994

One of 32 yeast expression vectors (ATCC 87318-87349) differing in promoter, selection marker and replicon.
- Nucleic Acids Res. 22: 5767-5768, 1994

The galactokinase (GALL) promoter is a deletion variant of GAL1, which lacks one of the 3 UAS elements required for full induction of the promoter by galactose.
- Nucleic Acids Res. 22: 5767-5768, 1994

The promoter is tightly repressed by glucose and is induced at a moderate level by galactose.
- Nucleic Acids Res. 22: 5767-5768, 1994

## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: p423 GALL (ATCC 87335)

## References

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

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## Revision

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

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