p424 GAL1

87329™

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): 6.307000160217285
Intact vector size: 6.307
Vector name: p424 GAL1 (plasmid)
Type of vector: plasmid
Construction: pRS424, GAL1 promoter
Host range: *Saccharomyces cerevisiae*; *Escherichia coli*
Cloning sites: SpeI; BamHI; SmaI; PstI; EcoRI; ClaI; SalI; XhoI
Markers: HIS3; ampR; TRP1
MCS: XhoI...SpeI, ->, 2155-2212
Polylinker sites: XbaI; SpeI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; ClaI; SalI; XhoI
Promoters: GAL1, <-, 2219-2679
Replicon: 2 micron
Terminator: CYC1, ->, 1895-2155

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, 1.7, 1.0, 0.45; EcoRI--6.3; BamHI--6.3.
- 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

Expression from the galactokinase (GAL1) promoter is tightly repressed by glucose and is strongly induced 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: p424 GAL1 (ATCC 87329)

References

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

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Revision

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