ATCC

Product Sheet

p416 GALL (ATCC® 87340™)

Please read this FIRST

Biosafety Level
1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: p416 GALL (ATCC® 87340™)

Shipping Information

Distributed: freeze-dried

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: p416 GALL
Distribution Host:
Distribution host: *Escherichia coli* HB101 (ATCC 33694)

Propagation

Growth Conditions
Temperature: 37.0°C
Medium
ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Vector Information

Size (kb): 5.5539999008178710
DESCRIPTION OF VECTOR:
Intact vector size: 5.554
Type of vector: plasmid
Cloning sites: XbaI SpeI BamHI SmaI EcoRI HindIII ClaI SalI XhoI
Polylinker sites: XbaI SpeI BamHI SmaI PstI EcoRI EcoRV HindIII ClaI SalI XhoI
Construction: pRS416, GALL promoter
Host range: Saccharomyces cerevisiaeCandida robusta; Escherichia coli
Features (with orientation and position when available):
marker(s): URA3, ->, 200-1323
terminator: CYC1, ->, 2005-2265
MCS: XhoI...XbaI, ->, 2265-2328
promoter for expression: GALL, <-, 2329-2759
marker(s): ampR, <-, 4006-4936
centromere: CEN6/ARSH4, ->, 5040-5554
Vector: p416 GALL (plasmid)
Promoters: Promoter for expression GALL
Construction: pRS416, GALL promoter
Marker(s):URA3,ampR
Construct size (kb): 5.553999900817871
Features: marker(s): URA3
marker(s): ampR
promoter for expression: GALL
MCS: XhoI...XbaI
terminator: CYC1
centromere: CEN6/ARSH4

References

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

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--5.6; EcoRI--5.6; SacI/XbaI--5.1, 0.43.
- ATCC staff

Low 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

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

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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