ATCC

Product Sheet

p426 GAL1 plasmid in E. coli (ATCC® 87333™)

Please read this FIRST

Storage Temp.
Store unopened frozen vial at -80^0 C or lower.

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: p426 GAL1 plasmid in E. coli (ATCC® 87333™)

Shipping Information

Frozen glycerol stock of *E. coli* containing the plasmid

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

This vector is one of 32 yeast expression vector (ATCC 87318 87349) differing in promoter, selection marker and replicon. This vector has the GAL1 promoter, URA3 yeast selection marker and the 2 micron replicon. It is a high copy number shuttle expression vector with expression from the galactokinase (GAL1) promoter tightly repressed by glucose and strongly induced by galactose.
Designation: p426 GAL1 plasmid in E. coli

Propagation

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

Growth Conditions
Temperature: 37.0°C

Propagation Procedure
Transfer a loopful to a test tube containing 5 mL LB+50mg/mL of ampicillin broth. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37^0 C. Isolate DNA using standard plasmid preparation procedures.

Vector Information

Size (kb): 6.417
Vector: p426 GAL1 (plasmid)
Promoters: Promoter for expression GAL1
Construction: pRS426 (ATCC 77107), GAL1 promoter
Marker(s):URA3,ampR
Construct size (kb): 6.417
Features: marker(s): URA3
marker(s): ampR
promoter for expression: GAL1
replicon: 2 micron
MCS: XhoI...XpeI
terminator: CYC1

References

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

Notes

Restriction digests of the clone gave the following sizes (in kb): SacI/XbaI 3.2, 2.8, 0.5 ; EcoRI 6.4 ; KpnI 6.4. ATCC Staff

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.

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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.

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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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