ATCC

Product Sheet

p423 ADH (ATCC® 87371™)

Please read this FIRST

Storage Temp.
Store unopened freeze dried vial at 4^0 C.

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: p423 ADH (ATCC® 87371™)

Shipping Information

Freeze dried *E. coli* containing the plasmid.

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.
Designation: p423 ADH

Propagation

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

Growth Conditions
Temperature: 37.0°C

Propagation Procedure
1. Open vial according to instructions.2. aseptically add 0.3 to 0.4 mL of liquid medium to the freeze-dried pellet and mix well. Transfer 100 *u*L to a test tube containing 5 mL LB+ ampicillin (50-100 ug/mL). A loopful of culture can also be streaked on an agar plate of the same. Incubate cultures at 37^0 C. 3. Isolate DNA using standard plasmid preparation procedures.

Vector Information

Size (kb): 7.529
Vector: p423 ADH (plasmid)
Promoters: Promoter for expression ADH
Construction: pRS423
Marker(s):ampR,HIS3
Construct size (kb): 7.529
Features: marker(s): HIS3
marker(s): ampR
promoter for expression: ADH
replicon: 2 micron
MCS: XhoI...XbaI
terminator: CYC1
Terminator: CYC1

References

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

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

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

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Manassas, VA 20108 USA
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Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

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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.

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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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