



Product Sheet

pCu423CUP1 (ATCC® 87724™)

Please read this FIRST



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: pCu423CUP1 (ATCC® 87724™)

Shipping Information

Distributed: DNA supplied by depositor (frozen)
(amount: 100 ng)

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: pCu423CUP1

Vector Information

Size (kb): 6.2849998474121090

DESCRIPTION OF VECTOR:

Intact vector size: 6.285

Type of vector: phagemid

Cloning sites: SpeI BamHI SmaI EcoRI EcoRV ClaI SalI XhoI

Polylinker sites: SpeI BamHI SmaI PstI EcoRI EcoRV HindIII ClaI SalI Xho

Construction: pRS423, CUP1 promoter

Host range: *Saccharomyces cerevisiae*; *Escherichia coli*

Features (with orientation and position when available):

marker(s): HIS3, ->

replicon: f1, <-

terminator: CYC1, <-

MCS: SpeI...XhoI, ->

promoter for expression: CUP1, ->

replicon: pMB1

marker(s): ampR, <-

replicon: 2 micron, <-

Vector: pCu423CUP1 (phagemid)

Promoters: Promoter for expression CUP1

Construction: pRS423, CUP1 promoter

Marker(s): ampR, HIS3

Construct size (kb): 6.284999847412109

Features: marker(s): HIS3

marker(s): ampR

promoter for expression: CUP1

replicon: 2 micron

replicon: f1

replicon: pMB1

MCS: SpeI...XhoI

terminator: CYC1

References

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

Notes

Restriction digests of the vector give the following sizes (kb): SacI--6.3;

SacI/SpeI--6.0, 0.26.

- ATCC staff

Gene CUP1 is the most potent for the copper induction. The CUP1 promoter can be used to create a series of versatile vectors to allow its utilization to control the expression of heterologous genes in *S.cerevisiae*.

- personal communication

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



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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.

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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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