Product Sheet

pCu416CUP1

87729™

Description

Clone type: Vector
Shipping information: DNA supplied by depositor

Storage Conditions

Product format: Dried

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): 5.380000114440918
Intact vector size: 5.380
Vector name: pCu416CUP1 (phagemid)
Type of vector: phagemid
Construction: pRS416, CUP1 promoter
Host range: *Saccharomyces cerevisiae*; *Candida robusta*; *Escherichia coli*
Centromere: CEN6
Cloning sites: SpeI; BamHI; SmaI; EcoRI; EcoRV; ClaI; SalI; XhoI
Markers: ampR; URA3
MCS: XhoI...SpeI, ->
Polylinker sites: SpeI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; ClaI; SalI; Xho
Promoters: Expression: CUP1
Replicon: f1, ←; pMB1; ARSH4
Terminator: CYC1, <-

Notes

Restiction digests of the vector give the following sizes (kb): SacI--5.4;
SacI/SpeI--5.4 (has lost SpeI site).
- ATCC staff

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

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pCu416CUP1 (ATCC 87729)

References

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

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Revision

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