



pCu413CUP1

87723™

Product Sheet

Description

Clone type: Vector

Shipping information: DNA supplied by depositor

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

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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): 5.4520001411438

Intact vector size: 5.452

Vector name: pCu413CUP1 (phagemid)

Type of vector: phagemid

Construction: pRS413, CUP1 promoter

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

Centromere: CEN6

Cloning sites: SpeI; BamHI; SmaI; EcoRI; EcoRV; ClaI; Sall; XhoI

Markers: HIS3; ampR

MCS: SpeI...XhoI, ->

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

Promoters: Expression: CUP1

Replicon: f1, ←; pMB1; ARSH4

Terminator: CYC1, <-

Notes

Restriction digests of the clone give the following sizes (kb): SacI--5.4,

SacI/SpeI--5.2, 0.26.

- ATCC staff

Gene CUP1 is the most potent for copper induction. 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

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pCu413CUP1 (ATCC 87723)

References

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

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