



pRS416

87521™

Description

Clone type: Vector

Host: *Escherichia coli* DH5alpha

Storage Conditions

Product format: Frozen

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): 4.898

Intact vector size: 4.898

Vector name: pRS416 (phagemid)

Type of vector: phagemid

Construction: pBluescriptII KS+

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

Cloning sites: KpnI; Apal; XhoI; Sall; ClaI; EcoRI; PstI; SmaI; BamHI; SpeI; EagI; NotI; SacII; SacI; NaeI

Insert detection: lacZ', ←, 1800-2137

Markers: ampR; URA3

MCS: KpnI...SacI, →, 2004-2111

Polylinker sites: BssHII; KpnI; Apal; XhoI; Sall; ClaI; HindIII; EcoRV; EcoRI; PstI; SmaI; BamHI; SpeI; XbaI; EagI; NotI; BstXI; SacII; SacI; BssHII

Promoters: *In vitro* transcription T7; lac

Replicon: f1, ←, 1351-1807; pMB1, 2566-2566; ARSH4, 4443-4806

Growth Conditions

Medium:

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

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): PvuII--4.45, 0.45; BglI--3.2, 1.7; PstI--3.25, 1.65. A YC-type shuttle vector with URA3 selection in *Saccharomyces cerevisiae*, a beta-galactosidase reporter system for visual detection of recombinants, promoters for transcription *in vitro*, and an

extensive polylinker flanked by BssHII sites.

- ATCC staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pRS416 (ATCC 87521)

References

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

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