



# pRS413

## 87518™

Product Sheet

### Description

**Clone type:** Vector

**Host:** *Escherichia coli* DH5alpha

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### Storage Conditions

**Product format:** Frozen

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### 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.

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### 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.

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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](http://www.atcc.org).

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## Vector Information

**Construct size (kb):** 4.97

**Intact vector size:** 4.970

**Vector name:** pRS413 (phagemid)

**Type of vector:** phagemid

**Construction:** pBluescriptII KS+

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

**Cloning sites:** Apal; XhoI; Sall; ClaI; EcoRV; EcoRI; SmaI; BamHI; SpeI; XbaI; EagI; NotI; SacII; SacI; NaeI

**Insert detection:** lacZ', <-, 1880-2217

**Markers:** HIS3; ampR

**MCS:** KpnI...SacI, ->, 2076-2183

**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, <-, 1473-1879; pMB1, 2638-2638; ARSH4, 4512-4885

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## Growth Conditions

**Medium:**

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

**Temperature:** 37°C

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## Notes

Restriction digests of the clone give the following sizes (kb): PvuII--4.55, 0.45; BglI--2.3, 1.7, 1.0; PstI--4.05, 0.95. A YC-type shuttle vector with HIS3 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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pRS413 (ATCC 87518)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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