



# pRS405

87516™

## Description

This is a yeast integrative vector with the LEU2 marker for 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.

**Clone type:** Vector

**Host:** *Escherichia coli* DH5alpha

**Shipping information:** *Escherichia coli* containing the phagemid

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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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

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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):** 5.507

**Vector name:** pRS405 (phagemid)

**Type of vector:** phagemid

**Construction:** pBluescriptII KS+

**Insert detection:** lacZ'

**Markers:** LEU2; ampR

**MCS:** KpnI...Sacl

**Promoters:** *In vitro* transcription T7; lac

**Replicon:** f1; pMB1

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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 gave the following sizes (in kb): ClaI 3.95, 1.55 ;

BglII 3.8, 1.7 ; PvuII 5.0, 0.45.

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: pRS405 (ATCC 87516)

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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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## Revision

This information on this document was last updated on 2021-05-19

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