



# pRS303

## 77138™

Product Sheet

### Description

**Clone type:** Vector

**Host:** *Escherichia coli* HB101 (ATCC 33694)

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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):** 4.453000068664551

**Intact vector size:** 4.453

**Vector name:** pRS303 (phagemid)

**Type of vector:** phagemid

**Construction:** pRSS56 [pBluescript KS+, pBS(+)]

**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', <-

**Markers:** HIS3; ampR

**MCS:**

promoter: T3, <-

replicon: pMB1

marker(s): ampR, <-

Vector: pRS303 (phagemid)

Promoters: Promoter T7

Construction: pRSS56 [pBluescript KS+, pBS(+)]

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

**Promoters:** T7; T3

**Replicon:** f1

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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): HindIII--3.2, 1.1, 0.24; PvuII--4.0, 0.48; XbaI--4.5; EcoRI--4.5.

- ATCC staff

One of a series of pBluescript-based integrating vectors (ATCC 77138-77141) differing in the yeast selectable marker gene.

- Genetics 122: 19-27, 1989

YI-type integrating shuttle vector permitting visual detection of recombinants and production of ssDNA in *E. coli*. Contains promoters for in vitro RNA synthesis, priming sites useful for sequencing, and encodes the lacZ alpha (lacZ') peptide.

- Genetics 122: 19-27, 1989

pRSS56, constructed by ligating a PvuI fragment (bp 498-2412) of pBluescript KS+ to a PvuI fragment (bp 2850-730) of pBS(+), contains the KS MCS from pBluescript KS+ and the unique NdeI and AatII sites between bla and f1 origin of pBS(+).

- Genetics 122: 19-27, 1989

A fragment (1.184 kb) containing the HIS3 gene was inserted into the NdeI site of pRSS56. All ends were blunted.

- Genetics 122: 19-27, 1989

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pRS303 (ATCC 77138)

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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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# pRS303

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Product Sheet

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