



pRS303

77138™

Product Sheet

Description

Clone type: Vector

Host: *Escherichia coli* HB101 (ATCC 33694)

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): 4.453000068664551

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

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): 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

Material Citation

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

References

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

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Contact Information

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA

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77138

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US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: tech@atcc.org or contact your local distributor
