



# pRS200

77165™

## Description

YC-type centromere 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. The pRSS56 vector which was 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(+). An EcoRI site in the TRP1-containing fragment (external to the coding sequence) was destroyed. The order of the major features in this plasmid is : TRP1 ? f1 ori (NaeI) ? T7 promoter ? lacZ?/MCS ? T3 promoter ? pMB1 ori ? bla ? CEN6 ? ARSH4. Restriction digests of the vector gave the following results (in kb): PvuI ? 2.8, 2.0 ; HindIII ? 3.7, 1.1 ; EcoRI ? 3.5, 1.3 ; XbaI ? 3.4, 1.4 ; PvuII ? 4.3, 0.4.

- ATCC staff

**Clone type:** Vector

**Shipping information:** *Escherichia coli* HB101 containing the plasmid

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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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):** 4.784999847412109

**Vector name:** pRS200 (phagemid)

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

**Centromere:** CEN6

**Insert detection:** lacZ'

**Markers:** ampR; TRP1

**Promoters:** lac; T3; T7

**Replicon:** pMB1; f1; ARSH4

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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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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pRS200 (ATCC 77165)

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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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