





Product Sheet

pRS415 (ATCC® 87520™)

Please read this FIRST



Storage Temp.
**Store unopened
frozen vial at -80°
C.**



Biosafety Level
1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: pRS415 (ATCC® 87520™)

Shipping Information

Frozen glycerol stock of phagemid in *E. coli*

Description

A YC-type shuttle vector with LEU2 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 *Bss*HI sites.

Designation: pRS415

Propagation

1. Thaw and open vial according to instructions. 2. Transfer a loopful to a test tube containing 5 mL LB+50mg/mL of ampicillin broth. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

Growth Conditions

Temperature: 37.0°C

Medium

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

Vector Information

Size (kb): 6.02

Vector: pRS415 (phagemid)

Promoters: Promoter for *in vitro* transcription T7

Construction: pBluescriptII KS+

Marker(s): LEU2, ampR

Construct size (kb): 6.02

Features: insert detection: lacZ'

marker(s): LEU2

marker(s): ampR

promoter: lac

promoter for *in vitro* transcription: T3

promoter for *in vitro* transcription: T7

replicon: ARSH4

replicon: f1

replicon: pMB1

MCS: KpnI...SacI

centromere: CEN6

References

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

Notes

Restriction digests of the construct gave the following sizes (in kb): PvuII 5.55, 0.45 ; BglII 4.3, 1.7 ; ClaI 4.45, 1.55. ATCC Staff

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the Biosafety in Microbiological and Biomedical Laboratories from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty

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	Biosafety Level 1

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Frozen glycerol stock of phagemid in *E. coli*

for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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