



Product Sheet

S. cerevisiae/E. coli pRS400 shuttle vectors (ATCC® 87538™)

Please read this FIRST



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: *S. cerevisiae*/E. coli pRS400 shuttle vectors (ATCC® 87538™)

Shipping Information

Distributed: freeze-dried

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: *S. cerevisiae*/E. coli pRS400 shuttle vectors

Distribution Host:

Distribution host: *Escherichia coli* DH5alpha

Propagation

Growth Conditions

Temperature: 37.0°C

Medium

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

Vector Information

DESCRIPTION OF VECTOR:

Intact vector size: 4.898

Type of vector: phagemid

Cloning sites: KpnI Apal XhoI Sall ClaI EcoRI PstI SmaI BamHI SpeI EagI

NotI SacII SacI NaeI

Polylinker sites: BssHII KpnI Apal XhoI Sall ClaI HindIII EcoRV EcoRI PstI

SmaI BamHI SpeI XbaI EagI NotI BstXI SacII SacI BssHII

Construction: pBluescriptII KS+

Host range: *Saccharomyces cerevisiae*; *Escherichia coli*

Features (with orientation and position when available):

marker(s): URA3, -, 417-1219

replicon: f1, <-, 1351-1807

insert detection: lacZ', <-, 1800-2137

promoter for in vitro transcription: T7, -, 1977-1996

MCS: KpnI...SacI, -, 2004-2111

promoter for in vitro transcription: T3, <-, 2123-2142

promoter: lac, <-, 2212-2240

replicon: pMB1, 2566-2566

marker(s): ampR, <-, 3324-4184

centromere: CEN6, 4326-4442

replicon: ARSH4, 4443-4806

References

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

Notes

Restriction digests of the clone give the following sizes (kb): Pvull--4.45, 0.45; BglII--3.2, 1.7; PstI--3.25, 1.65. A YC-type shuttle vector with URA3 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.

- 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



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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 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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