ATCC

Product Sheet

pRS406 (ATCC® 87517™)

Please read this FIRST

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: pRS406 (ATCC® 87517™)

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: pRS406
Distribution Host:
Distribution host: *Escherichia coli* DH5alpha
Media:
ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Conditions

Temperature: 37.0°C

Vector Information

Size (kb): 4.3839998245239260
DESCRIPTION OF VECTOR:
Intact vector size: 4.384
Type of vector: phagemid
Cloning sites: KpnI XhoI SalI ClaI HindIII EcoRI SmaI BamHI SpeI XbaI EagI NotI BstXI SacII SacI NaeI
Polylinker sites: BssHII KpnI ApaI XhoI SalI ClaI HindIII EcoRV EcoRI PstI SmaI BamHI SpeI XbaI EagI NotI BstXI SacII SacI BssHII
Construction: pBluescriptII KS+
Host range: Saccharomyces cerevisiaeCandida robusta; Escherichia coli
Features (with orientation and position when available):
marker(s): URA3, ->, 417-1219
replicon: f1, <-, 1351-1807
promoter for in vitro transcription: T7, ->, 1977-1996
MCS: KpnI...SacI, ->, 2004-2111
promoter for in vitro transcription: T3, <-, 2123-2142
insert detection: lacZ', <-, 1808-2167
promoter: lac, <-, 2212-2240
replicon: pMB1, 2566-2566
marker(s): ampR, <-, 3324-4184
Vector: pRS406 (phagemid)
Promoters: Promoter for in vitro transcription T7
Construction: pBluescriptII KS+
Marker(s):URA3,ampR
Construct size (kb): 4.383999824523926
Features: insert detection: lacZ'
marker(s): URA3
marker(s): ampR
promoter: lac
promoter for in vitro transcription: T3
promoter for in vitro transcription: T7
replicon: f1
replicon: pMB1
MCS: KpnI...SacI

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): PvuII--3.95, 0.45; BglI--2.7, 1.7; PstI--2.75, 1.65. A YI-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

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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 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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