pRS169

77151™

Description

Clone type: Vector
Host: *Escherichia coli* HB101 (ATCC 33694)

Storage Conditions

Product format: Freeze-dried

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): 5.800000190734863
Intact vector size: 5.800
Vector name: pRS169 (phagemid)
Type of vector: phagemid
Construction: pRSS56 [pBluescript KS+, pBS(+)], GAL1/10 promoter
Host range: *Candida robusta*; *Saccharomyces cerevisiae*; *Escherichia coli*
Cloning sites: XhoI; SalI; EcoRI; SmaI; BamHI; NotI; SacI
Insert detection: lacZ'
Markers: ampR; URA3
Polylinker sites: KpnI; ApaI; XhoI; SalI; ClaI; HindIII; EcoRV; EcoRI; PstI; SmaI; BamHI
Promoters: lac; T3; T7; GAL1
Replicon: pMB1; f1; ARS1

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): PvuI--2.9 (doublet); BamHI--5.8; EcoRI--5.8; EcoRV--4.5, 1.3; HindIII--5.8; SalI--5.8; SmaI--5.8; XbaI--uncut.
- ATCC staff

YX-type expression shuttle vector permitting visual detection of recombinants and production of ssDNA in E. coli. Contains promoters for in vitro RNA

synthesis and encodes the lacZ alpha (lacZ') peptide. Transcription from the GAL1 promoter (no ATG included in the sequence) proceeds through the polylinker. Expression is inducible by galactose. A fragment containing the URA3 gene was inserted into the NdeI site and a DraIII/EcoRI fragment containing the GAL1 and GAL10 promoters was inserted into the Asp718 site of the MCS of pRSS56. All ends were blunted. The order of the major features in this plasmid is: URA3 - f1 ori (NaeI) - T7 promoter - lacZ'/MCS - T3 promoter - GAL1 promoter - GAL10 promoter - pMB1 ori - bla - CEN - ARS1.
- personal communication

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

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pRS169 (ATCC 77151)

References

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

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Revision

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