pIA1

77159™

Description

Clone type: Clone
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): 8.800000190734863
Intact vector size: 8.800
Type of vector: plasmid
Construction: pHSS6, 2 micron
Host range: *Saccharomyces cerevisiae*; *Candida robusta*; *Escherichia coli*
Cloning sites: NotI; ClaI; BamHI
Markers: kanR; URA3
Polylinker sites: NotI; BamHI; PstI; BglII; XbaI; HindIII; ClaI; EcoRI; NotI
Replicon: pMB1; 2 micron

Growth Conditions

Medium:
ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin
Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--8.8; HindIII--4.3, 3.3, 1.2; NotI--8.8; ClaI--8.8.
- ATCC staff

YE-type shuttle vector permitting FLP-driven high copy number. In S. cerevisiae, requires a host expressing FLP such as YPH485 or YPH494, or a host modified by pFV17 (ATCC 77170).
- personal communication

When propagated in a strain carrying an integrated copy of GAL10-FLP, the copy number is 10-20 without induction and 200-400 when induced by galactose.
- Methods Enzymol. 185: 234-279, 1990

Constructed by inserting a BalI/EcoRV fragment of the 2 micron circle (interrupting FLP) into the SmaI site of pHSS6 which had been modified by the addition of a URA3 gene.
- Methods Enzymol. 185: 234-279, 1990

The order of the major features in this plasmid is: REP3 - D - REP1 - REP2 - kanR - MCS (NotI - EcoRI/NotI) - URA3.
- Methods Enzymol. 185: 234-279, 1990

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pIA1 (ATCC 77159)

References

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

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Revision

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Contact Information

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor