pJL164

87471™

Description

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

Storage Conditions

Product format: Frozen

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.

Insert Information

Target gene: uridine monophosphate synthetase

Vector Information

Construct size (kb): 8.4
Intact vector size: 8.400
Vector name: pJL164 (phagemid)
Type of vector: phagemid
Construction: pRS305
Host range: *Saccharomyces cerevisiae*; *Escherichia coli*
Vector information:
Other unique sites: SmaI
other: URA3 deleter cassette
other: URA3 deleter cassette
Markers: LEU2; ampR
Replicon: f1, ←; pMB1

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): KpnI--4.7, 4.0; XbaI--9.0; EcoRI--9.0.

- ATCC staff

This deleter vector is used to create designer yeast strains with a non-revertable ura3 auxotrophic marker deletion.
- Yeast 14: 115-132, 1998

ura3delta0 deletion hosts are generated by transformation with the SpeI/XhoI digested plasmid, pJL164, followed by selection on 5-FOA plates.
- Yeast 14: 115-132, 1998

ura3 point mutation hosts are then differentiated from ura3delta0 deletion hosts by reversion analysis and Southern analysis.
- Yeast 14: 115-132, 1998

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pJL164 (ATCC 87471)

References

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

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Revision

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