



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

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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: Smal

other: URA3 deleter cassette

other: URA3 deleter cassette

Markers: LEU2; ampR

Replicon: f1, \leftarrow ; 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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