



# pJL164

87471™

## Description

**Clone type:** Vector

**Host:** *Escherichia coli* HB101 (ATCC 33694)

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## Storage Conditions

**Product format:** Frozen

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## 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.

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## 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](http://www.atcc.org).

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### Insert Information

**Target gene:** uridine monophosphate synthetase

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### 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

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### Growth Conditions

**Medium:**

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

**Temperature:** 37°C

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### 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

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## Material Citation

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

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

This information on this document was last updated on 2021-05-19

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