

# 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<sub>1</sub>

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: Smal 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.



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- 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

This information on this document was last updated on 2025-09-13

#### 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

