



# pYAC55 plasmid in *E. coli*

37521™

Product Sheet

## Description

This is a yeast artificial chromosome (YAC) vector and *Saccharomyces cerevisiae* to *Escherichia coli* shuttle vector useful for constructing genomic libraries. It was constructed from pYAC2 by replacing the SmaI site in the SUP4 intron with the NotI site, and eliminating the SfiI and NotI sites flanking the SUP4 gene.

Cloning into the NotI site located in the SUP4 intron inactivates expression. The HIS3 sequence is removed when producing the telomers by BamHI digestion.

**Clone type:** Vector

**Host:** *Escherichia coli* SCS110

**Shipping information:** *Escherichia coli* containing the plasmid

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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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

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.

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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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## Vector Information

**Markers:** ARS1; CEN4; HIS3; SUP4ochre; ampR; URA3; TRP1

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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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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pYAC55 plasmid in *E. coli* (ATCC 37521)

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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

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