



# pNKY51 [YEPdeltaRI-SAL HISG2]

77193™

## Description

A plasmid containing an excisable URA3 cartridge for gene disruption that permits repeated use of URA3 selection in constructing multiply disrupted yeast strains. The BglII/BamHI cassette contains URA3 flanked by direct repeats from hisG. Used by inserting the excised cassette into a cloned target gene, gene sequences, transforming Ura3-strains, and selecting for stable integrants. Loss of the cassette (and one of the flanking hisG repeats) by recombination can be selected by 5-fluoroorotic acid resistance. Restriction digests of the vector gave the following results (in kb): EcoRI?7.6 ; BamHI?7.6 ; BamHI/BglII?3.8, 3.8 according to the ATCC Molecular Genomics team.

**Organism:** *Saccharomyces cerevisiae* Meyen ex E.C. Hansen

**Clone type:** Clone

**Shipping information:** *Escherichia coli* HB101 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**

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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

**Insert size (kb):** 3.7999999999999998

**Type of DNA:** genomic

**Gene product:** ATP phosphoribosyltransferase [URA3]

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## Vector Information

**Construct size (kb):** 7.5999999904632568

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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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## Handling Procedures

LB +ampicillin (50 ug/mL) at 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: pNKY51 [YEPdeltaRI-SAL HISG2] (ATCC 77193)

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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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This information on this document was last updated on 2024-10-25

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