



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

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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

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

Insert size (kb): 3.7999999999999998

Type of DNA: genomic

Gene product: ATP phosphoribosyltransferase [URA3]

Vector Information

Construct size (kb): 7.5999999904632568

Growth Conditions

Medium:

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

Temperature: 37°C

Handling Procedures

LB +ampicillin (50 ug/mL) at 37°C

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)

References

References and other information relating to this material are available at www.atcc.org.

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