



# pNKY70

77183<sup>TM</sup>

Product Sheet

## Description

This is a YI-type (yeast integrating) vector that can be used for promoter/enhancer trap screens. It contains a HIS4C/URA3 fusion cassette that can be used to make fusions to other proteins of interest. It also includes an M13 sequencing primer approximately 300 bp from the HIS4C/URA3 fusion junction. It encodes 93 amino acids of HIS4C and the complete 267 amino acids of URA3. This vector was constructed from pNKY48 (ATCC#77182) by inserting an EcoRI 8-mer at the HindIII site in the polylinker. The order of the major features in this plasmid is: M13 primer ? ClaI ? XbaI ? SalI ? XbaI (stop) ? BamHI ? EcoRI ? HIS4C bridge/URA3 ? BamHI ? HindIII ? Bgl II ? NcoI ? EcoRI ? M13 ori ? pMB1 ori ? ampR.

Genetics 117: 5-12, 1987

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

**Clone type:** Vector

**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



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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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### Insert Information

**Insert size (kb):** 1.5

**Type of DNA:** genomic

**Target gene:** histidinol dehydrogenase; uridine monophosphate synthetase

**Gene product:** histidinol dehydrogenase [URA3]

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### Vector Information

**Construct size (kb):** 4.40000095367432

**Vector name:** pNKY70 (plasmid)

**Type of vector:** plasmid

**Construction:** pNKY48 (ATCC 77182)

**Markers:** ampR; URA3

**Replicon:** pMB1; M13

**Terminator:** URA3

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### Growth Conditions



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**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 vector gave the following sizes (in kb): Bgl II 4.4; EcoRI 2.9, 1.5; PstI 4.4; BamHI 3.2, 1.2; XbaI 4.4.

ATCC Staff

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**Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: pNKY70 (ATCC 77183)

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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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