



pNKY70

77183™

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 ? XhoI ? Sall ? 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

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

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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.

Insert Information

Insert size (kb): 1.5

Type of DNA: genomic

Target gene: histidinol dehydrogenase; uridine monophosphate synthetase

Gene product: histidinol dehydrogenase [URA3]

Vector Information

Construct size (kb): 4.400000095367432

Vector name: pNKY70 (plasmid)

Type of vector: plasmid

Construction: pNKY48 (ATCC 77182)

Markers: ampR; URA3

Replicon: pMB1; M13

Terminator: URA3

Growth Conditions

Medium:

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

Temperature: 37°C

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

Material Citation

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

References

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

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