



# pSE1076

## 77271™

Product Sheet

### Description

**Clone type:** Vector

**Host:** *Escherichia coli* HB101 (ATCC 33694)

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### Storage Conditions

**Product format:** Freeze-dried

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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

**Construct size (kb):** 9.0

**Intact vector size:** 9.000

**Vector name:** pSE1076 (plasmid)

**Type of vector:** plasmid

**Construction:** pNKY51, Tn903

**Host range:** *Candida robusta*; *Saccharomyces cerevisiae*; *Escherichia coli*

**Markers:** kanR; ampR; URA3

**Replicon:** pMB1

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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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## Notes

Restriction digests of the clone give the following sizes (kb):

BglII/BamHI--5.2, 3.8; BamHI--9.0. Restriction digests of the clone give the following sizes (kb): BglII--9.0; BamHI--9.0; BamHI/BglII--5.2, 3.8; SmaI--9.0.

- ATCC staff

A derivative of pNKY51 with kanR from Tn903 inserted at the SmaI site of pNKY51.

The order of the major features in this plasmid is: BglII (nt 1) - hisG - nt

1150 - URA3 - nt 2350 - kanR - nt 3850 - hisG - BamHI (nt 5000) - pMB1 ori -

ampR.

- personal communication

A plasmid containing an excisable URA3 cartridge for gene disruption that permits repeated use of URA3 selection in constructing multiply disrupted yeast strains.

- Genetics 116: 541-545, 1987

Used by inserting the excised cassette into a cloned target gene, isolating a restriction fragment containing the cassette with flanking target gene sequences, transforming Ura3- strains, and selecting for stable integrants.

- Genetics 116: 541-545, 1987

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pSE1076 (ATCC 77271)

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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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