



# P41-14D13 Plasmid in *Escherichia coli*

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## Description

**Organism:** *Escherichia coli* (Migula) Castellani and Chalmers

**Clone type:** Clone

**Host:** *Escherichia coli* 3341

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**Patent number:**

4,480,038

**Technical information:** ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

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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

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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

**Type of DNA:** genomic

**Genome:** *Escherichia coli*

**Chromosome:** 8 min

**Target gene:** beta-galactosidase, X90 allele

**Gene name:** beta-galactosidase, X90 allele

**Gene product:** beta-galactosidase, X90 allele [lacZ-X90]

**Gene symbol:** lacZ-X90

**Contains complete coding sequence:** Unknown

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## Vector Information

**Construct size (kb):** 0.0

**Intact vector size:** 5.400

**Vector name:** pOP203(UV-5)-3

**Type of vector:** plasmid

**Construction:** pMB9

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Product Sheet

**Host range:** *Escherichia coli*

**Vector end:** EcoRI

**Cloning sites:** BamHI; Sall; EcoRI

**Markers:** tetR

**Replicon:** pMB1

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## Growth Conditions

**Medium:**

ATCC Medium 1273: LB medium (ATCC medium 1065) with 20 mcg/ml tetracycline

**Temperature:** 37°C

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## Notes

Overproduces an inactive beta-galactosidase X-90 protein (an ochre mutant resulting in a protein lacking approximately 12 aa from the carboxy terminus). A stable derivative of p41.

- U.S. Pat. 4,480,038 dated Oct. 30, 1984

.patent

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: P41-14D13 Plasmid in *Escherichia coli* (ATCC 39110)

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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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