



P41-14D2 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

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Product format: Freeze-dried

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Certificate of Analysis

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Insert Information

Type of DNA: genomic

Genome: *Escherichia coli*

Chromosome: 8 min

Target gene: beta-galactosidase

Gene name: beta-galactosidase

Gene product: beta-galactosidase(beta-D-galactosidase) [lacZ]

Gene symbol: lacZ

Contains complete coding sequence: Unknown

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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Host range: *Escherichia coli***Vector end:** EcoRI**Cloning sites:** BamHI; Sall; EcoRI**Markers:** tetR**Replicon:** pMB1

Growth Conditions

Medium:

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

Temperature: 37°C

Notes

Produces beta-galactosides to a level up to 15% of the total cell protein. A Lac⁺ derivative of p41 due to the spontaneous reversion of lacZ X-90 to wild type.

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

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: P41-14D2 Plasmid in *Escherichia coli* (ATCC 39114)

References

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

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Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

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Worldwide telephone: +1-703-365-2700

Email: tech@atcc.org or contact your local distributor
