



pDG3

53006™

Description

Clone type: Vector

Host: *Escherichia coli* JM83 (ATCC 35607)

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Patent number:

4,885,249

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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Product format: Freeze-dried

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BSL 1

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For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Vector Information

Construct size (kb): 7.800000190734863

Vector name: pDG3 (plasmid)

Type of vector: plasmid

Construction: pUC12, Tn5, pBB116

Markers: argB; neoR; ampR

Replicon: pMB1

Growth Conditions

Medium:

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

Temperature: 37°C

Notes

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

HindIII/SalI--3.1, 1.65, 1.3, 0.75, 0.5 + smaller; XbaI--4.4, 3.4; EcoRI--7.8;
SmaI--4.3, 3.5; SphI--7.8.
- ATCC staff

This was constructed by inserting a HindIII/SalI fragment of Tn5 into pUC12 cut with HindIII/SalI (pNE02) and then inserting an XbaI fragment from pBB116 into the XbaI site of pNE02. This is an integrative, selectable vector conferring arginine prototrophy on arginine autotrophic hosts such as *Aspergillus niger* 350(-)52, ATCC 20739 (argB-). It also confers kanamycin resistance.
- U.S. Pat. 4,855,249 dated Dec. 5, 1989

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pDG3 (ATCC 53006)

References

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

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