pCN40

77097™

Description

Clone type: Vector
Host: *Pseudomonas aeruginosa* PAO1024 (ATCC 47053)
Shipping information: *Pseudomonas aeruginosa* PAO1024 containing plasmid

Storage Conditions

Product format: Freeze-dried

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

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.

Certificate of Analysis

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

Vector Information

Vector name: pCN40
Type of vector: plasmid
Construction: pKT231, pCN39 (ATCC
Cloning sites: KpnI; HindIII; BamHI; SmaI; PstI; PvuII
Markers: strR; kanR
Polylinker sites: BamHI; SmaI; PstI
Replicon: repA

Growth Conditions

Medium:
ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin
Temperature: 37°C

Notes

Contains the basic replicon of pPS10, which has been sequenced (EMBL accession number X58896). The repA portion is flanked by EcoRI sites (nt 536 and 1500), with the site at nt 536 between the repA promoter and coding sequences.
-Ramon Diaz Orejas, personal communication

Restriction digests of the clone give the following sizes (kb): HindIII - 6.0; PstI/PvuII - 4.1, 1.9; KpnI/SmaI - 4.9, 1.1; SmaI - 6.0. General purpose vector.
-ATCC Staff

Constructed by replacing the PvuII/PstI fragment of pCN39 (ATCC® 77096™) with a 1.9 kb PvuII/PstI fragment of pKT231 encoding streptomycin resistance. The kanR

gene can be insertionally inactivated by HindIII digestion. The order of the major features in this plasmid is: kanR - PvuII - strR - PstI - SmaI - BamHI - kanR - HindIII. -Gene (Amst.) 87: 145-149, 1990.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pCN40 (ATCC 77097)

References

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

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Revision

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