



pBSL141

87146™

Description

Plasmid useful for vector construction and contains a gentamicin acetyltransferase (aacC1, gmR) cassette flanked by multiple cloning sites duplicated in tandem orientation. This was constructed by cloning a 0.8 kb mLul fragment containing the complete coding sequence for gentamicin acetyltransferase (aacC1) from Tn1696 into the mLul site of the sBSL98 phagemid. The sequence for the aacC1 gene has Genbank accession number X15852.

Organism: Tn1696

Clone type: Vector

Shipping information: *Escherichia coli* containing the phagemid in glycerol stock

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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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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.

Insert Information

Insert size (kb): 0.80000000000000004

Type of DNA: genomic

Target gene: gentamicin acetyltransferase

Gene product: gentamicin acetyltransferase [aacC1]

Vector Information

Construct size (kb): 3.885999917984009

Vector name: pBSL141 (phagemid)

Construction: pBluescript

Coding sequence: aacC1 (gtmR)

Markers: gtmR; ampR

MCS: KpnI...SacI MluI; MluI KpnI...SacI

Promoters: *In vitro* transcription: T7 (phi10)

Replicon: f1; pBM1

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 gave the following sizes (in kb): mLul 3.1, 0.8 ;
BamHI 2.1, 1.0 ; NotI 2.9, 1.0. ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pBSL141 (ATCC 87146)

References

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

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Revision

This information on this document was last updated on 2021-05-19

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