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 mLuI fragment containing the complete coding sequence for gentamycin acetyltransferase (aacC1) from Tn1696 into the mLuI site of the sBSL98 phagemid. The sequence for the aacC1 gene has Genbank accession number X15852.

**Designation:** pBSL141

Transfer a loopful to a test tube containing 5 mL LB+50mg/mL of ampicillin broth. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

**Growth Conditions**

**Temperature:** 37.0°C
**Medium**
ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

**Size (kb):** 3.885999917984009
**Vector:** pBSL141 (phagemid)
**Promoters:** Promoter for in vitro transcription T7 (phi10)
**Construction:** pBluescript
**Marker(s):** ampR, gtmR
**Construct size (kb):** 3.885999917984009
**Features:** marker(s): ampR

**replicon:** f1
MCS: KpnI...SacI
MCS: MluI KpnI...SacI
coding sequence: aacC1 (gtmR)

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

Restriction digests of the clone gave the following sizes (in kb): mLuI 3.1, 0.8; BamHI 2.1, 1.0; NotI 2.9, 1.0.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers
Please read this FIRST

Storage Temp.
Store unopened frozen vial at -80°C or lower.

Biosafety Level
1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: pBSL141 (ATCC® 87146™)

Shipping Information

Frozen glycerol stock of E. coli containing the phagemid

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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