pBSL142

87147™

Description

Organism: Tn1696
Clone type: Vector
Host: *Escherichia coli* DH5

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.

Insert Information

Insert size (kb): 1.6000000000000001
Type of DNA: genomic
Genome: Tn1696
Target gene: omega - aacC1
Gene name: omega-Gm
Gene product: omega-Gm
Contains complete coding sequence: Yes
Insert end: mLuI

Vector Information

Construct size (kb): 4.669000148773193
Intact vector size: 3.100
Vector name: sBSL98
Type of vector: phagemid
Construction: pBluescript
Host range: *Escherichia coli*
Vector end: mLuI
Coding sequence: aacC1 (gtmR)
Markers: gtmR; ampR
MCS: KpnI...SacI mLuI, ->; mLuI KpnI...SacI, ->
Polylinker sites: KpnI; ApaI; XhoI; SalI; ClaI; HindIII; EcoRV; EcoRI; PstI; SmaI; BamHI; SpeI; XbaI; NotI/EagI; BstXI; SacII; SacI; mLuI
Promoters: *In vitro* transcription: f1T7 (phi10)
Replicon: pMB1; f1, ←

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): BamHI--2.8, 1.6; EcoRI--2.95, 1.75; KpnI--2.8, 1.65; mLuI--2.9, 1.6; SstI--2.8, 1.7.
- ATCC staff

Plasmid useful for generation of marked deletions and insertions in cloned DNA in vitro. Contains an omega - Gm element (aacC1, gtmR) flanked by multiple cloning sites duplicated in tandem orientation.
- Gene 160: 63-67, 1995

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pBSL142 (ATCC 87147)

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
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor