



pBSL14

87127™

Description

Organism: Tn5

Clone type: Vector

Host: *Escherichia coli* HB101 (ATCC 33694)

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): 1.2

Type of DNA: genomic

Genome: Tn5

Target gene: aminoglycoside phosphotransferase

Gene name: aminoglycoside phosphotransferase

Gene product: aminoglycoside phosphotransferase(kanamycin resistance, neomycin resistance) [aph]

Gene symbol: nptII; aph; kanR; neoR

Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 3.900000095367432

Intact vector size: 2.686

Vector name: pUC18

Type of vector: cosmid

Construction: pUC71K; pUC18, pK18

Host range: *Escherichia coli*

Vector information:

Cross references: DNA Seq. Acc.: L08752

Cloning sites: HindIII; SphI; PstI; Sall; Accl; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI

Insert detection: lacZ', <-

Markers: kanR; ampR

MCS: HindIII...EcoRI, ->; HindIII...NheI

Polylinker sites: HindIII; SphI; PstI; Sall; Accl; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI

Replicon: pMB1

Growth Conditions

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Medium:

ATCC Medium 1948: LB medium (ATCC medium 1065) with 50 mcg/ml ampicillin and 20 mcg/ml kanamycin

Temperature: 37°C

Notes

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

EcoRI/HindIII--2.8, 1.1; HindIII--2.8, 1.1; BamHI--2.7, 1.2.

- ATCC staff

The nptII gene was modified by site-directed mutagenesis to remove PstI and SphI sites.

- BioTechniques 18: 52-55, 1995

Plasmid with an easily purified kanR cassette (flanked by direct repeats of the pUC18 multiple cloning site) for use in construction.

- BioTechniques 18: 52-55, 1995

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pBSL14 (ATCC 87127)

References

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

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