pSLF101

87619™

Description

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.

Vector Information

Construct size (kb): 6.800000190734863
Intact vector size: 6.800
Vector name: pSLF101 (phagemid)
Type of vector: phagemid
Host range: *Schizosaccharomyces pombe*; *Escherichia coli*
Vector information:
Other unique sites: ScaI SspI
Cloning sites: SphI; PstI; SalI; BamHI; SmaI; KpnI; HpaI
Markers: LEU2; ampR
Operator: tet, <-
Polylinker sites: SphI; PstI; SalI; BamHI; SmaI; KpnI; HpaI
Promoters: CaMV
Replicon: ars1; pMB1

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): HindIII--4.6, 2.2; BamHI--6.8; EcoRI--3.9, 1.2.
- ATCC staff

The vectors pSLF101 and pSLF102 differ in that pSLF101 has LEU2 marker and pSLF102, ura4+.

- personal communication

The vector contains the constitutive CaMV promoter adjacent to the tet operator.
- Nucleic Acids Res. 21: 2955-2956, 1993

A tet repressor must be supplied to regulate expression. Schizosaccharomyces pombe FY191 (ATCC 201437) has a tet repressor gene and integrating vector pSLF104 (ATCC 87621) contains the sup3-5 marker and tet repressor under adh promoter.
- Nucleic Acids Res. 21: 2955-2956, 1993

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pSLF101 (ATCC 87619)

References

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

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Revision

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