pSM6

53352™

Description

Clone type: Vector
Host: *Escherichia coli* HB101 (ATCC 33694)
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Patent number:
4,626,510
Technical information: ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

Storage Conditions

Product format: Freeze-dried

Intended Use

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BSL 1

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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): 8.0
Vector name: pSM6 (plasmid)
Type of vector: plasmid
Construction: pE194, pBR322
Markers: tetR
Promoters: ErmC
Replicon: pMB1; pE194

Growth Conditions

Medium:
ATCC Medium 1273: LB medium (ATCC medium 1065) with 20 mcg/ml tetracycline
Temperature: 37°C

Notes

The EcoRI cloning site is 4 bp downstream of the ribosome binding sequence. pSM6 can be maintained in both E. coli and B. subtilis but can be used as a cloning vector only in E. coli because the tetracycline resistance is poorly expressed in B. subtilis. Constructed by ligating pBR322 and pE194 after linearizing with PstI. The EcoRI site was destroyed and a HpaI/SstI fragment containing ErmC was removed. The ErmC promoter and ribosome binding sequence was inserted upstream of an EcoRI linker.
- Plasmid 16: 1-14, 1986

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pSM6 (ATCC 53352)

References

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

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