



pEX100T

87436™

Description

Description of vector pUC19Sce component :Intact vector size (in kb) : 2.686Type of vector : plasmidGenbank Accession : U17499Vector ends : NdeI modification : blunt endedCloning sites : SmaIConstruction : pUC19Features (with orientation and location, if known) : Coding sequence : lacZ α , β , 146-469 Restriction site : I-SceI, 418 Restriction site : SmaI, 426 Restriction site : I-SceI, 442 Replicon : pMB1, 862 Marker : ampR, 1626-2486

Organism: *Bacillus subtilis* subsp. *subtilis* (Ehrenberg) Cohn

Clone type: Vector

Shipping information: *Escherichia coli* containing the plasmid in glycerol stock

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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

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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.

Insert Information

Insert size (kb): 1.8999999999999999

Type of DNA: cDNA

Target gene: levansucrase

Gene product: levansucrase [oriT]

Vector Information

Construct size (kb): 5.846000194549561

Vector name: pEX100T (plasmid)

Construction: pUC19Sce, pEM5, pMOB2

Coding sequence: lacZalpha

Markers: sacB; ampR

Replicon: oriT; pMB1

Restriction sites: I-SceI; SmaI

Terminator: rrnB T1

Transcription terminator: rrnB T1; rrnB T2

Growth Conditions

Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Temperature: 37°C

Notes

The ClaI restriction recognition site located at bp 2093 is subject to dam methylation (gATCGAT) in its distribution host DH5αF. Restriction digests of the clone gave the following sizes (in kb): ClaI 5.6, 0.4 ; ScaI 6.0 ; SmaI 6.0 ; Aval 6.0.

ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pEX100T (ATCC 87436)

References

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

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