



Product Sheet

pPLc28 [PL-C, pST28] (ATCC® 31696™)

Please read this FIRST



Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: pPLc28 [PL-C, pST28] (ATCC® 31696™)

Shipping Information

Distributed: freeze-dried

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: pPLc28 [PL-C, pST28]

Distribution Host:

Distribution host: Escherichia coli deltaH1; K-12 delta H1

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Propagation

Growth Conditions

Temperature: 28.0°C

Medium

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

Vector Information

Size (kb): 2.7200000286102300

Vector: pPLc28 (plasmid)

Promoters: Promoter lambda PL

Construction: pBR322, lambda

Marker(s):ampR

Construct size (kb): 2.72000002861023

Features: marker(s): ampR

promoter: lambda PL

replicon: pMB1

enhancer: none

References

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

Notes

Restriction digests of the clone give the following sizes (kb): EcoRI--2.7;

BamHI--2.7; HindIII--2.7.

- ATCC staff

Plates equally well at 28C and 42C in E. coli K-12 deltaH1 hosts. Shows reduced plating efficiency in E. coli M5219 at 42C under antibiotic selection.

Escherichia coli K-12 deltaH1 is K-12 M72 lac(am) deltatrpEA2 rpsL lambda cl857

N(am7)N(am53) deltaH1 bio-. deltaH1 removes part of cro and all genes to the

right of cro. This vector is used for expression of fragments containing a

ribosome binding site. The following unique restriction sites are found on this

vector separated by (bp)(approx): BglI- 100- PstI- 150- PvuI- 1020- EcoRI- 10-

BamHI-HindIII-1420. The orientation of the PL promoter is clockwise with respect

to the plasmid ori.

- U.S. Pat. 4,874,702 dated Oct. 17, 1989

.patent

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Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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