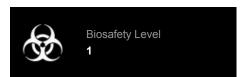


**Product Sheet** 

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



### 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): BgII- 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

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### .patent



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

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