



Product Sheet

pCMVlacZII (ATCC® 77169™)

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: pCMVlacZII (ATCC® 77169™)

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: pCMVlacZII

Distribution Host:

Distribution host: *Escherichia coli* DH5alpha

Propagation

Growth Conditions

Temperature: 37.0°C

Medium

ATCC® Medium 1799: LB medium (ATCC medium 1065) plus 10 mcg/ml neomycin

Vector Information

Size (kb): 10.8999996185302700

DESCRIPTION OF VECTOR:

Intact vector size: 10.900

Type of vector: plasmid

Cloning sites:

Polylinker sites:

Host range: vertebrate cells; *Escherichia coli*

Features (with orientation and position when available):

marker(s): neoR

promoter: CMV, RSV

replicon: pMB1, M13, SV40, polyoma

terminator: SV40

Vector: pCMVlacZII (plasmid)

Promoters: Promoter CMV

Marker(s):neoR

Construct size (kb): 10.89999961853027

Features: marker(s): neoR

promoter: CMV, RSV

replicon: pMB1, M13, SV40, polyoma

terminator: SV40

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--9.6, 1.3;

HindIII/XbaI--7.2, 3.8; KpnI--7.4, 3.6; StuI--11.0.

- ATCC staff

The order of the major features in this plasmid is: CMV promoter - bacterial lacZ - polyadenylation signal - RSV promoter - neoR - polyoma virus ori - SV40 ori - pMB1 ori - M13 ori.

- personal communication

Shuttle reporter plasmid permitting visual detection of activity by histochemical staining.

- Biotechniques 11: 344-351, 1991

Presence of beta-galactosidase activity is used to follow cell lineage in culture or in situ.

- Biotechniques 11: 344-351, 1991

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in



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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

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