





Product Sheet

pCFM536 plasmid in *E. coli* (ATCC® 39934™)

Please read this FIRST



Storage Temp.
-80°C



Biosafety Level
1

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: pCFM536 plasmid in *E. coli* (ATCC® 39934™)

Shipping Information

Frozen glycerol stock of *Escherichia coli* containing the plasmid.

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

This is an expression plasmid containing a lambdaPL promoter, a multiple cloning sequence and a lambdaToop terminator. This plasmid is sent in an *E. coli* that also has the pMW1 plasmid (ATCC 39933) which has a pSH1 replicon and is compatible with colE1 vectors. It is temperature sensitive and should be grown at 28°C. The ampicillin selection marker is for the pCFM526 vector and the kanamycin is for the pMW1 plasmid.

Designation: pCFM536 plasmid in *E. coli*

Distribution Host:

Distribution host: *Escherichia coli* JM103/pMW1

Propagation

Thaw contents of the vial in a 37°C water bath with gentle agitation. Transfer a loopful to a test tube containing 5 mL LB+50mg/mL of ampicillin and 10 µg/mL of kanamycin broth. A loopful of culture can also be streaked on an LB + amp + kan agar plate. Incubate cultures at 28°C. Isolate DNA using standard plasmid preparation procedures.

Growth Conditions

Temperature: 28°C

Medium

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

Vector Information

Vector information for pCRM536:

Vector Type: plasmid

Vector size (kb): 4.6

Markers: ampR

Promoter: lambda PL

Replicon: R1

Vector information for pMW1 (ATCC 39933):

Vector Type: plasmid

Vector size (kb): 12.0

Markers: kanR, tetR

Replicon: pSH1

Repressor gene: cl857

References

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

Notes

Temperature sensitive, grow at 28°C. Ampicillin is the selection marker for pCFM526, kanamycin for pMW1.

- unknown

This is an expression plasmid containing a lambdaPL promoter, a multiple cloning sequence, and a lambda Toop terminator.

- U.S. Pat. 4,710,473 dated Dec. 1, 1987

.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.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the



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product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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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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