



## Product Sheet

# YCplac111 (ATCC® 87587™)

### 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: YCplac111 (ATCC® 87587™)

### Shipping Information

Frozen *E. coli* containing the plasmid

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

One of 9 shuttle vectors (ATCC 87585-87593) allowing lacZ detection of cloned inserts and containing the pUC19 MCS with all 10 cloning sites unique. Vectors differ in mode of replication (YE, YC or YI-type) and yeast marker (LEU2, URA3 or TRP1). This is a YC-type (yeast centromeric) vector with the LEU2 marker. The EcoRI and KpnI restriction sites from the LEU2 gene of *S. cerevisiae* were removed by using oligo-directed mutagenesis.

**Designation:** YCplac111

## Propagation

aseptically add 0.3 to 0.4 mL of liquid medium to the freeze-dried pellet and mix well. Transfer 100  $\mu$ L to a test tube containing 5 mL LB+50mg/mL of ampicillin. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

### Growth Conditions

**Temperature:** 37°C

### Medium

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



## Vector Information

**Size (kb):** 6.112

**Vector:** YCplac111 (plasmid)

**Promoters:** Promoter lac

**Construction:** pUC19

**Marker(s):** LEU2,ampR

**Features:** insert detection: lacZ'

**marker(s):** LEU2

**marker(s):** ampR

**promoter:** lac

**replicon:** ARS1

**replicon:** pMB1

**MCS:** HindIII...EcoRI

**centromere:** CEN4



## References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).



## Notes

Restriction digests of the clone give the following sizes (kb): BglII--6.5, EcoRV--6.5, BglI--4.7, 1.7.



## 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 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



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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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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