ATCC

Product Sheet

# pC-ACT.2 (ATCC® 87777™)

**Please read this FIRST**

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: pC-ACT.2 (ATCC® 87777™)

**Shipping Information**

Distributed: freeze-dried

## Description

**Designation:** pC-ACT.2
**Distribution Host:**
Distribution host: *Escherichia coli* DH5

## Propagation

**Medium**
ATCC® Medium 1637: LB medium (ATCC medium 1065) with 100 mcg/ml carbenicillin

**Growth Conditions**
**Temperature:** 37.0°C

## Vector Information

Size (kb): 7.4039998054504400
DESCRIPTION OF VECTOR:
Intact vector size: 7.404
Type of vector: plasmid
Cloning sites: NdeI NcoI AvrII BglII BclI BamHI SmaI SalI PstI
Polylinker sites: NdeI NcoI AvrII BglII BclI BamHI SmaI SalI PstI
Construction: pRS314
Features (with orientation and position when available):
replicon: ColE1, 1-362
coding sequence: bla, <-, 934-1794
replicon: ARS4, 2066-2442
centromere: CEN6, 2028-2053
marker(s): LEU2, <-, 3171-4265
promoter: PADH, 5666-6375
MCS: NdeI..PstI, ->, 6845-6899
ribosome-binding site: GAL4, ->, 6383-6791
transcription terminator: ADC1 transcriptional terminator (TADH), 6917-7107
signal peptide coding region: hemagglutinin epitope, 6797-6838
Vector: pC-ACT.2 (plasmid)
Promoters: Promoter PADH
Construction: pRS314
Marker(s):crbR
Construct size (kb): 7.40399980545044
Features: marker(s): LEU2
promoter: PADH
replicon: ARS4
replicon: ColE1
MCS: NdeI..PstI
ribosome-binding site: GAL4
signal peptide coding region: hemagglutinin epitope
transcription terminator: ADC1 transcriptional terminator (TADH)
centromere: CEN6
coding sequence: bla

## 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): BamHI--7.4; PstI--7.4; HindIII--7.4; NdeI--7.4. Useful in two hybrid screening in yeast. A CEN based plasmid with Gal4 activation domain. It has lower copy number than 2 micron based plasmids. Contains unique rstriction sites (BglII, BclI and BamHI) compatible with 5' GATC overhangs in all three reading frames.
- ATCC staff

American Type Culture Collection
PO Box 1549
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800.638.6597 or 703.365.2700
Fax: 703.365.2750
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*Or contact your local distributor*

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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

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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