



Product Sheet

## pC-ACT.2 (ATCC® 87777™)

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: pC-ACT.2 (ATCC® 87777™)

### Shipping Information

Distributed: freeze-dried

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

**Designation:** pC-ACT.2

**Distribution Host:**

Distribution host: *Escherichia coli* DH5

### Propagation

**Growth Conditions**

**Temperature:** 37.0°C

**Medium**

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

### 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](http://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 restriction sites (BglII, BclI and BamHI) compatible with 5' GATC overhangs in all three reading frames.

- ATCC staff



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### 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

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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