



Product Sheet

## p416 CYC1 (ATCC® 87384™)

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: p416 CYC1 (ATCC® 87384™)

### 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:** p416 CYC1  
**Distribution Host:**  
Distribution host: *Escherichia coli* HB101 (ATCC 33694)

### Propagation

**Growth Conditions**  
**Temperature:** 37.0°C  
**Medium**  
ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

### Vector Information

Size (kb): 5.4109997749328610  
DESCRIPTION OF VECTOR:  
Intact vector size: 5.411  
Type of vector: plasmid  
Cloning sites: Sall ClaI HindIII EcoRI SmaI BamHI SpeI XbaI  
Polylinker sites: XhoI Sall ClaI HindIII EcoRV EcoRI PstI SmaI BamHI SpeI XbaI  
Other unique sites: SacI  
Construction: pRS416  
Host range: *Saccharomyces cerevisiae*; *Escherichia coli*  
Features (with orientation and position when available):  
marker(s): URA3, -, 200-1323  
terminator: CYC1, -, 2005-2265  
MCS: Sall...XbaI, -, 2271-2328  
promoter for expression: CYC1, <-, 2329-2616  
marker(s): ampR, <-, 3863-4793  
replicon: CEN6/ARSH4, -, 4887-5391  
Vector: p416 CYC1 (plasmid)  
Promoters: Promoter for expression CYC1  
Construction: pRS416  
Marker(s): URA3, ampR  
Construct size (kb): 5.410999774932861  
Features: marker(s): URA3  
marker(s): ampR  
promoter for expression: CYC1  
replicon: CEN6/ARSH4  
MCS: Sall...XbaI  
terminator: CYC1

### 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): SacI/XbaI--5.1, 0.3; KpnI--5.4; EcoRI--5.4.  
- ATCC staff

Low copy number shuttle expression vector.  
- Gene 156: 119-122, 1995

Contains a truncated version of the CYC1 promoter that very weak and no longer inducible because of a deletion of most of the UAS2 sequence.  
- Gene 156: 119-122, 1995

### Biosafety Level: 1



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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.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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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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