



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

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: 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.

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

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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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