



Product Sheet

## p416 TEF (ATCC® 87368™)

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 TEF (ATCC® 87368™)

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 TEF

**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): 5.5260000228881840

DESCRIPTION OF VECTOR:

Intact vector size: 5.526

Type of vector: plasmid

Cloning sites: XhoI 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: p416

Host range: *Saccharomyces cerevisiae*; *Escherichia coli*

Features (with orientation and position when available):

marker(s): URA3, -, 200-1323

terminator: CYC1, -, 2005-2265

MCS: XhoI...XbaI, -, 2265-2328

promoter for expression: TEF, <-, 2329-2731

marker(s): ampR, <-, 3978-4908

replicon: CEN6/ARSH4, -, 5012-5526

Vector: p416 TEF (plasmid)

Promoters: Promoter for expression TEF

Construction: p416

Marker(s):URA3,ampR

Construct size (kb): 5.526000022888184

Features: marker(s): URA3

marker(s): ampR

promoter for expression: TEF

replicon: CEN6/ARSH4

MCS: XhoI...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): BamHI--5.6;  
EcoRI--5.6; SacI/XbaI--5.6; SacI--uncut. The vector appears to have lost the  
SacI site.

- ATCC staff

Low copy number shuttle expression vector.

- Gene 156: 119-122, 1995

### Biosafety Level: 1

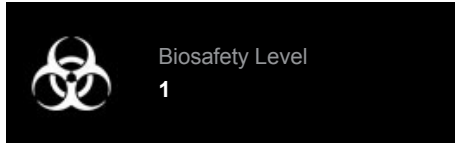
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes



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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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