




## Product Sheet


# p415 GALS (ATCC® 87346™)

Please read this FIRST



Storage Temp.  
**Store unopened  
frozen vial at -80°  
C or lower.**

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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: p415 GALS (ATCC® 87346™)

### Shipping Information

Freeze dried *E. coli* containing the plasmid

### Description

This vector is one of 32 yeast expression vector (ATCC 87318 87349) differing in promoter, selection marker and replicon. This vector has the GALS promoter, LEU2 yeast selection marker and the CEN6/ARSH replicon. The galactokinase (GALS) promoter is a deletion variant of GAL1, which lacks one and a half of the 3UAS elements required for full induction of the promoter by galactose. It is a low copy number shuttle expression vector with expression from the galactokinase (GALS) promoter tightly repressed by glucose and moderately induced by galactose.

Designation: p415 GALS

### Propagation

aseptically add 0.3 to 0.4 mL of liquid medium to the freeze-dried pellet and mix well. Transfer 100  $\mu$ L to a test tube containing 5 mL LB+50mg/mL of ampicillin. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

### Growth Conditions

Temperature: 37.0°C

### Medium

ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

### Vector Information

Size (kb): 6.6620001792907720

Vector: p415 GALS (plasmid)

Promoters: Promoter for expression GALS

Construction: pRS415, GALS promoter

Marker(s): LEU2, ampR

Construct size (kb): 6.662000179290772

Features: marker(s): LEU2

marker(s): ampR

promoter for expression: GALS

MCS: XhoI...XbaI

terminator: CYC1

centromere: CEN6/ARSH4

### 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 gave the following sizes (in kb): SacI/XbaI 6.2, 0.42 ; EcoRI 4.2, 2.4 ; BamHI 6.6. ATCC Staff

### 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.

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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](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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