



Product Sheet

## p415 ADH (ATCC® 87374™)

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: p415 ADH (ATCC® 87374™)

### 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:** p415 ADH  
**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): 7.7470002174377440  
DESCRIPTION OF VECTOR:  
Intact vector size: 7.747  
Type of vector: plasmid  
Cloning sites: XhoI Sall HindIII PstI SmaI BamHI SpeI XbaI  
Polylinker sites: XhoI Sall ClaI HindIII EcoRV EcoRI PstI SmaI BamHI SpeI XbaI  
Other unique sites: SacI  
Construction: pRS415  
Host range: *Saccharomyces cerevisiae* *Candida robusta*; *Escherichia coli*  
Features (with orientation and position when available):  
marker(s): LEU2, -, 200-2446  
terminator: CYC1, -, 3128-3388  
MCS: XhoI...XbaI, -, 3388-3452  
promoter for expression: ADH, <-, 3452-4952  
marker(s): ampR, <-, 6199-7129  
replicon: CEN6/ARSH4, -, 7234-7747  
Vector: p415 ADH (plasmid)  
Promoters: Promoter for expression ADH  
Construction: pRS415  
Marker(s): LEU2, ampR  
Construct size (kb): 7.747000217437744  
Features: marker(s): LEU2  
marker(s): ampR  
promoter for expression: ADH  
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): SacI/XbaI--6.0, 1.5; EcoRI--5.4, 2.3; KpnI--5.8, 1.7.  
- ATCC staff

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

The wild type ADH promoter is active when cells are grown in glucose media but can be repressed 2-10 fold on non-fermentable carbon sources.  
- 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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