



# p426 ADH

## 87377™

Product Sheet

### Description

**Clone type:** Vector

**Host:** *Escherichia coli* HB101 (ATCC 33694)

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### Storage Conditions

**Product format:** Frozen

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### Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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### BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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### Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Vector Information

**Construct size (kb):** 7.456999778747559

**Intact vector size:** 7.457

**Vector name:** p426 ADH (plasmid)

**Type of vector:** plasmid

**Construction:** pRS426 (ATCC 77107)

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

**Vector information:** unique sites: SacI

**Cloning sites:** XhoI; Sall; ClaI; HindIII; EcoRI; SmaI; BamHI; SpeI

**Markers:** ampR; URA3

**MCS:** XhoI...XbaI, ->, 2265-2339

**Polylinker sites:** XhoI; Sall; ClaI; HindIII; EcoRV; EcoRI; PstI; SmaI; BamHI; SpeI; XbaI

**Promoters:** Expression: ADH

**Replicon:** 2 micron

**Terminator:** CYC1, ->, 2004-2264

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## Growth Conditions

### Medium:

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

**Temperature:** 37°C

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## Notes

Restriction digests of the clone give the following sizes (kb): SacI/XbaI—3.2, 1.8, 1.5; EcoRI—7.4; XbaI—4.6, 2.7.

- ATCC staff

High 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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: p426 ADH (ATCC 87377)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

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