



p414 ADH

87372™

Product Sheet

Description

Clone type: Vector

Host: *Escherichia coli* HB101 (ATCC 33694)

Storage Conditions

Product format: Freeze-dried

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.

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.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Vector Information

Construct size (kb): 6.514

Intact vector size: 6.514

Vector name: p414 ADH (plasmid)

Type of vector: plasmid

Construction: pRS414

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

Vector information: unique sites: SacI

Cloning sites: XhoI; Sall; ClaI; EcoRI; PstI; SmaI; BamHI; SpeI

Markers: ampR; TRP1

MCS: XhoI...XbaI, →, 2155-2219

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

Promoters: Expression: ADH

Replicon: CEN6/ARSH4, →, 6001-6514

Terminator: CYC1, →, 1895-2155

Growth Conditions

Medium:

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

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--6.6;

EcoRI--6.6; XhoI--6.6; SacI/XbaI--3.2, 1.8, 1.5.

- 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

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: p414 ADH (ATCC 87372)

References

References and other information relating to this material are available at www.atcc.org.

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