p415 ADH

87374™

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): 7.747000217437744
Intact vector size: 7.747
Vector name: p415 ADH (plasmid)
Type of vector: plasmid
Construction: pRS415
Host range: *Saccharomyces cerevisiae*; *Candida robusta*; *Escherichia coli*
Vector information: unique sites: SacI
Cloning sites: XhoI; SalI; HindIII; PstI; SmaI; BamHI; SpeI; XbaI
Markers: LEU2; ampR
MCS: XhoI...XbaI, ->, 3388-3452
Polylinker sites: XhoI; SalI; ClaI; HindIII; EcoRV; EcoRI; PstI; SmaI; BamHI; SpeI; XbaI
Promoters: Expression: ADH
Replicon: CEN6/ARSH4, →, 7234-7747
Terminator: CYC1, ->, 3128-3388

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): 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

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: p415 ADH (ATCC 87374)

References

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

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Revision

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