pJJ283 [pJJ252]

77309™

Description

Organism: *Saccharomyces cerevisiae* Meyen ex E.C. Hansen
Clone type: Clone
Host: *Escherichia coli* MC1066

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.

Insert Information

Insert size (kb): 1.8999999999999999
Type of DNA: genomic
Insert information:
DESCRIPTION OF INSERT COMPONENT:
Insert 5' end: SalI
Insert 3' end: HpaI
Cross references:
Chromosome: III
III L, 5 cM from CEN
Gene name: 3-isopropylmalate dehydrogenase
Gene product: 3-isopropylmalate dehydrogenase(beta-isopropylmalate dehydrogenase) [LEU2]
Gene symbol: LEU2
Contains complete coding sequence: Unknown

Vector Information

Construct size (kb): 4.688000202178955
Intact vector size: 2.686
Vector name: pUC18
Type of vector: plasmid
Construction: pUC71K
Host range: *Escherichia coli*
Vector end: XbaI
Vector information:
Cross references: DNA Seq. Acc.: L08752
Cloning sites: HindIII; SphI; PstI; SalI; AccI; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI
Insert detection: lacZ', <-
Markers: ampR
MCS: HindIII...EcoRI, ->

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Polylinker sites: HindIII; SphI; PstI; SalI; AccI; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI
Promoters: lac
Replicon: pMB1, <-

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):
HindIII/BamHI--2.7, 1.9; PvuII--2.3 (doublet); EcoRI--3.65, 0.95.
- ATCC staff

Constructed by filling in the ends of both the vector and the insert fragment.
- personal communication

A plasmid providing the gene for a yeast selectable marker in the MCS of pUC18, allowing more flexibility in designing constructions.
- Yeast 6: 363-366, 1990

LEU2 is in an orientation opposite to lacZ'.
- Yeast 6: 363-366, 1990

The insert was subcloned from YEp13.
- Yeast 6: 363-366, 1990

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pJJ283 [pJJ252] (ATCC 77309)

References

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

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Revision

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