YEplac181

87588™

Description

This is an E. coli/S. cerevisiae shuttle vector that allows lacZ detection of cloned inserts and contains the pUC19 MCS with all 10 cloning sites unique. It has the YE-type replication and the LEU2 marker.The EcoRI and KpnI restriction sites from the LEU2 gene of S. cerevisiae were removed using oligo-directed mutagenesis.Restriction digests of this vector gave the following bands (in kb): AvaI ? 5.2, 0.8; ClaI ? 6.0; EcoRI ? 6.0. ----ATCC staff

Clone type: Vector

Shipping information: *Escherichia coli* containing the plasmid

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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

Target gene: beta-galactosidase

Vector Information

Construct size (kb): 5.741000175476074
Vector name: YEplac181 (plasmid)
Construction: pUC19
Insert detection: lacZ'
Markers: LEU2; ampR
MCS: HindIII...EcoRI
Promoters: lac
Replicon: 2 micron ori; pMB1

Growth Conditions

Medium:
ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
Temperature: 37°C

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: YEplac181 (ATCC 87588)

References

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

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