pFV17

77170™

Description

Organism: *Saccharomyces cerevisiae,* 2 micron circle
Clone type: Clone
Host: *Escherichia coli*

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

Type of DNA: genomic
Insert information:
Genomic copy number: unique
Genome: Saccharomyces cerevisiae, 2 micron circle
Target gene: recombinase, site-specific
Gene name: recombinase, site-specific
Gene product: recombinase, site-specific [FLP]
Gene symbol: FLP
Contains complete coding sequence: Unknown

Vector Information

Construct size (kb): 6.800000190734863
Intact vector size: 4.363
Vector name: pBR322
Type of vector: plasmid
Construction: pBR313
Host range: *Escherichia coli*
Vector information:
Cross references: DNA Seq. Acc.: J01749
Cloning sites: EcoRI; ClaI; HindIII; EcoRV; BamHI; SphI; SalI; XmaIII; NruI; BspMI; BsmI; StyI; AvaI; BalI; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI; PstI; PvuI; ScaI; SspI; AatII
Markers: LEU2; ampR; tetR
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): BamHI--6.8; EcoRI--3.4, 2.15, 1.25; SalI--6.8; SalI/HindIII--5.9, 0.9; SalI/XbaI--5.3, 1.5.
- ATCC staff

Integrating plasmid for galactose-inducible expression of FLP (from the GAL10 promoter).
- Cell 46: 541-550, 1986

Constructed by cloning the HaeIII/HindIII fragment from the 2 micron circle into the SalI/HindIII sites of YEp51 (using a SalI linker), modifying the region between GAL10 and FLP to increase expression, and deleting the 2 micron origin of replication.
- Cell 46: 541-550, 1986

Derived from pBR322 via YEp51.
- Cell 46: 541-550, 1986

Linearize with BstEII before transformation into S. cerevisiae hosts.
- Methods Enzymol. 185: 234-279, 1990

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pFV17 (ATCC 77170)

References

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

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Revision

This information on this document was last updated on 2024-10-25

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