

YEpFAT10

87554TM

Description

One of 9 YE-type (episomal) shuttle vectors (ATCC 87541, 87554 and 87640 ? 87645) that have the leu2-d gene, which is correlated with high copy number when grown in medium lacking leucine. Similarly, the NruI, BamHI, SalI and SphI are adjacent and can be used for directional cloning. Selection for TRP1 expression produces a plasmid copy number of 20-40; growth on YC minus leucine produces a copy number of 100-200. The vector was constructed by Kurt Runge. Restriction digests of the vector gave the following bands (in kb): BamHI ? 7.0; EcoRI ? 4.2, 2.9; SalI ? 7.0. -----ATCC staff

Clone type: Vector

Shipping information: *Escherichia coli* containing the plasmid

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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



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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): 6.770999908447266

Vector name: YEpFAT10 (plasmid)

Construction: pVZ1

Markers: LEU2-d; ampR; TRP1

MCS: Apal...SacII; Nrul...SphI

Promoters: *In vitro* transcription T7; lac

Replicon: 2 micron ori/LEU2-d; 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: YEpFAT10 (ATCC 87554)

References

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

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