YEpFAT4

87642™

Description

Clone type: Vector
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.

Vector Information

Construct size (kb): 7.011000156402588
Intact vector size: 7.011
Vector name: YEpFAT4 (plasmid)
Type of vector: plasmid
Host range: *Schizosaccharomyces pombe*; *Saccharomyces cerevisiae*; *Escherichia coli*
Vector information: Other unique sites: HindIII
Cloning sites: NotI; SacI; SmaI; BamHI; XbaI
Markers: LEU2-d; ampR
MCS: NotI...XbaI, ->, 908-942
Polylinker sites: NotI; EcoRI; SacI; AvaI; KpnI; SmaI; BamHI; XbaI
Promoters: *In vitro* transcription T7; lac
Replicon: 2 micron/LEU2-d, 941-3635; pMB1, 5193-5193
Restriction sites: HindIII

Growth Conditions

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--7.1; SmaI--7.1; EcoRI--5.0, 2.1. M9 + tryptophan medium recommended for DNA purification.
- ATCC staff

One of 9 YE-type shuttle vectors (ATCC 87541, 87554, 87560 an d 87640 - 87645) that have the leu2-d gene, which is correlated with high copy number in S. cerevisiae, when grown in medium lacking leucine.

- Mol. Cell. Biol. 9: 1488-1497, 1989

Selection for URA3 expression produces a plasmid copy number of 20-40; growth on YC minus leucine produces a copy number of 100-200.
- Mol. Cell. Biol. 9: 1488-1497, 1989

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: YEpFAT4 (ATCC 87642)

References

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

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Revision

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