REP4X

87604™

Description

This is a *Schizosaccharomyces pombe* expression vector distributed in *Escherichia coli*. It contains the full strength nmt1 promoter. This vector was constructed by deleting the ATG in the polylinker of the original REP4 plasmid and an XhoI linker was cloned into the blunted BalI-SalI cut REP4 plasmid. The SalI site was preserved.REP3X (ATCC#87603) also contains the full strength nmt1 promoter whereas REP41X (ATCC#87605) and REP42X (ATCC#87607) have a medium strength promoter (nmt1*) and REP81X (ATCC#87606) and REP82X (ATCC#87608) have a low strength (nmt1**) promoter due to a mutation in the TATA box (Gene 123: 131-136, 1993). REP3X and REP4X differ in that REP3X contains LEU2 (2.2 kb) and REP4X contains ura4+ (1.8 kb).

Clone type: Vector

Shipping information: *Escherichia coli* containing the phagemid

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

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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): 8.5
Vector name: REP4X (phagemid)
Type of vector: phagemid
Construction: pUC119
Markers: ampR; ura4+
MCS: XhoI...SmaI
Promoters: Expression: nmt1 (full strength)
Replicon: ars1; pMB1, f1

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 gave the following sizes (in kb): EcoRI 7.1, 1.4 ; XhoI

8.5 ; HindIII 5.5, 1.9, 1.1.	ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: REP4X (ATCC 87604)

References

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

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Revision

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