



# pE25.a [pBS300]

61304™

## Description

The human repetitive DNA segment (D1Z7) from the hamster/human XJM12.1.3 hybrid cell line. The first half of the dimer is 85% identical to the sequence of the 1' monomer: the second half is 80% identical to the 2' monomer (1). The insert is a dimer of the 171 bp consensus sequence of the alphoid DNA from the subfamily of an alpha-satellite DNA made up of EcoR I dimers or multiples thereof. The genomic DNA was cloned as an EcoR I fragment into pBS vector, transformed into *Escherichia coli* HB101 (ATCC 33694) and provided as a freeze-dried culture.

**Clone type:** Clone

**Host:** *Escherichia coli* HB101 (ATCC 33694)

**Shipping information:** *Escherichia coli* containing the plasmid

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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## 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.

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**BSL 1**

ATCC determines the biosafety level of a material based on our risk

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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](http://www.atcc.org).

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### Insert Information

**Insert size (kb):** 0.34899999999999998

**Insert source:** DNA from hamster/human XJM12.1.3 hybrid cell line

**Insert tissue:** DNA from hamster/human XJM12.1.3 hybrid cell line

**Gene product:** DNA Segment, repetitive [D1Z7]

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### Vector Information

**Intact vector size:** 3.2

**Vector name:** pE25.a

**Cloning sites:** EcoRI; SacI; KpnI; SmaI; BamHI; XbaI; Sall; PstI; SphI; HindIII

**Markers:** ampR

**Promoters:** Lac, T3, T7

**Replicon:** pUC (pMB1)

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### Growth Conditions

**Medium:**

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

**Temperature:** 37°C

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## Handling Procedures

Aseptically add to the freeze-dried material 0.3 to 0.4 mL (no more) of liquid medium and mix well. Transfer 100 µl to a test tube containing 5 mL LB-ampicillin. A loopful of the culture can be streaked on an LB-ampicillin agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures (2). Digestion of the plasmid with *EcoR* I results in bands at 3.2 kb and 0.35 kb. Digestion of the plasmid with either *Kpn* I, *Bam*H I, *Hind* III, or *Hinc* II results in a band at 3.6 kb. The insert contains the following sites (in bp from an end): *Sau* 3A (20), *Hae* III (52), *Pst* I (85), *Hinf* I (181) and *Hae* III (227).

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pE25.a [pBS300] (ATCC 61304)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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### **Revision**

This information on this document was last updated on 2021-05-19

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