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% identicial 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 *Eco*R 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

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 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

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]

Vector Information

Intact vector size: 3.2
Vector name: pE25.a
Cloning sites: EcoRI; SacI; KpnI; SmaI; BamHI; XbaI; SalI; PstI; SphI; HindIII
Markers: ampR
Promoters: Lac, T3, T7
Replicon: pUC (pMB1)

Growth Conditions

Medium:
ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
Temperature: 37°C

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 *Eco*R I results in bands at 3.2 kb and 0.35 kb. Digestion of the plasmid with either *Kpn* I, *Bam*H I, *Hin*d III, or *Hin*c 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).

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)

References

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

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