



lambda93 [GC.93]

95664™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Shipping information: bacteria-free lysate

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.

Insert Information

Insert size (kb): 19.949999999999999

Type of DNA: genomic

Insert source: fetal liver (ATCC 37333)

Insert tissue: fetal liver (ATCC 37333)

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

Cross references: DNA Seq. Acc.: L10641

Nucleotides ~1-19950 of the insert correspond to
nucleotides ~6300-26300 of L10641.

Genome: Homo sapiens

Chromosome: 4

4 q12-q13

Gene name: group-specific component (vitamin D binding protein)

Gene product: group-specific component (vitamin D binding protein)(vitamin D binding protein, vitamin D-binding alpha-globulin, group specific component) [GC]

Gene symbol: GC

Contains complete coding sequence: No

Insert end: HaeIII or AluI Modification: EcoRI linker

Vector Information

Construct size (kb): 51.0

Intact vector size: 46.000

Vector name: Charon 4A

Type of vector: phage

Host range: *Escherichia coli*

Vector end: EcoRI

Cloning sites: EcoRI

Enhancer: none

Promoters: none

Replicon: lambda

Terminator: none

Growth Conditions

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): EcoRI--19.5, 11.0, 5.0, 3.7, 2.6, 2.55, 1.9, 1.8, 0.95, 0.7; HindIII-->23, 5.9; BamHI-->23, 7.3, 5.7, 4 (doublet), 1.6; BglII--5.5, 5.1, 4.9 (doublet), 3.5, 3.1, 2.75, 2.5, 2.15, 2.0, 1.8 (doublet), 1.7, 1.55 (doublet), 1.4, 0.65; SstI-->23, 9.0, 4.1, 3.9, 2.8, 1.9.

- ATCC staff

Begins in intron 1 and continues into intron 6.

- Genomics 16: 751-754, 1993

ATCC 95662/95663 and 95664/95665 overlap by 5. kb and share EcoRI fragments of the following sizes (kb): 0.7, 1.7.

- Genomics 16: 751-754, 1993

ATCC 95664/95665 and 95666/95667 overlap by 6.45 kb and share EcoRI fragments of the following sizes (kb): 0.15, 1.9, 2.5.

- Genomics 16: 751-754, 1993

Contains L1 (Kpn) and Alu repeats.

- Genomics 16: 751-754, 1993

The insert contains the following restriction sites (approximate kb from the 5'

end): EcoRI—3.3, 4.0, 5.7, 9.4, 12.0, 12.6, 14.4, 14.55, 16.45, 19;

HindIII—1.6; SacI—9, 11.8, 15.9.

- Genomics 16: 751-754, 1993

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: lambda93 [GC.93] (ATCC 95664)

References

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

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