



pHUCI

95498™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* HB101 (ATCC 33694)

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): 5.2000000000000002

Type of DNA: cDNA

Insert source: fibroblast cell line SV80

Insert tissue: fibroblast cell line SV80

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

Cross references: DNA Seq. Acc.: X07884

Nucleotides 1-1500 of the insert correspond to nucleotides 1-1500 of X07884.

Genome: Homo sapiens

Chromosome: 17

17 q21.3-q22

Gene name: collagen, type I, alpha 1

Gene product: collagen, type I, alpha 1 [COL1A1]

Gene symbol: COL1A1

Contains complete coding sequence: Yes

Insert end: EcoRI

Vector Information

Construct size (kb): 7.5

Intact vector size: 2.700

Vector name: pUC

Type of vector: plasmid

Host range: *Escherichia coli*

Vector end: EcoRI

Enhancer: none

Insert detection: lacZ'

Markers: ampR

Promoters: lac

Replicon: pMB1

Terminator: none

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 give the following sizes (kb): BamHI--5.7, 2.3;
EcoRI--4.6, 2.7, 0.64; PvuII--2.5, 2.0, 1.5, 0.65, 0.5, 0.35; SacI--7.0, 0.52;
XhoI--4.9, 2.4, 0.7.

- ATCC staff

To obtain a high yield, the culture should be grown in minimal media with casamino acids (M9), followed by chloramphenicol amplification to increase the plasmid copy number.

- personal communication

The insert contains the following restriction sites (approximate kb from the 5' end): BamHI--2.9; EcoRI--4.5; KpnI--0.2; NcoI--0.6, 0.7; PvuII--0.6, 0.85, 2.3, 4.3; SacI--1.0, 1.5; XhoI--0.8, 1.5.

- Biochem. J. 253: 919-922, 1988

Material Citation

If use of this material results in a scientific publication, please cite the material in the

following manner: pHUCI (ATCC 95498)

References

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

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