



# pHUCI

## 95498™

### Description

**Organism:** *Homo sapiens*, human

**Clone type:** Clone

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

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### Storage Conditions

**Product format:** Freeze-dried

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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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### Biosafety Level 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.

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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):** 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

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### 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

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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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## 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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pHUCI (ATCC 95498)

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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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