



Hp2010

95500™

Product Sheet

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): 4.5999999999999996

Type of DNA: cDNA

Insert source: placenta

Insert tissue: placenta

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

Cross references: DNA Seq. Acc.: Y00724

Nucleotides 1-2372 of the insert correspond to nucleotides 1-2372 of Y00724.

Genome: Homo sapiens

Chromosome: 7

7 q21.3-q22.1

Gene name: collagen, type I, alpha 2

Gene product: collagen, type I, alpha 2 [COL1A2]

Gene symbol: COL1A2

Alleles: A1, B1, K1, C1, A2, C2, K2, b2

Contains complete coding sequence: Yes

Insert end: SphI linkers

Vector Information

Construct size (kb): 7.300000190734863

Intact vector size: 2.686

Vector name: pUC19

Type of vector: plasmid

Construction: pUC71K

Host range: *Escherichia coli*

Vector end: SphI

Vector information:

Cross references: DNA Seq. Acc.: X02514

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

Insert detection: lacZ', <-

Markers: ampR

MCS: EcoRI...HindIII, ->

Polylinker sites: EcoRI; SacI; KpnI; SmaI; BamHI; XbaI; HincII; Accl; Sall; PstI; SphI; HindIII

Promoters: lac

Replicon: pMB1, <-

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): EcoRI--4.4, 2.9;

NcoI--5.9, 1.4; PstI--4.4, 2.4, 0.48; SphI--4.6, 2.7; XhoI-- 7.3.

- ATCC staff

This insert contains a Pvull site in exon 25 (nt 1521) that has been shown to be polymorphic.

- Nucleic Acids Res. 18: 5577, 1990

Insert contains the following restriction sites (approximate kb from the 5'

end): Aval--1.7, 2.3; EcoRI--4.3; NcoI--1.8, 3.3; PstI--0.45, 3.05; Pvull--0.4,

0.5, 0.8, 1.1, 1.5, 2.4; RsaI--2.7, 3.4; XhoI--2.8.

- Biochem. J. 252: 633-640, 1988

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Hp2010 (ATCC 95500)

References

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

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