



SM38

95502™

Product Sheet

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* DH5alpha

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): 4.2779999999999996

Type of DNA: cDNA

Insert source: skin fibroblasts, neonatal (cell line JIMM-69)

Insert tissue: skin fibroblasts, neonatal (cell line JIMM-69)

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

IV, autosomal dominant)

Insert 5' end: Modification: EcoRI linker

Insert 3' end: EcoRI

Cross references: DNA Seq. Acc.: X14420

Nucleotides 1-4278 of the insert correspond to
nucleotides 25-4303 of X14420.

Genome: Homo sapiens

Chromosome: 2

2 q31-q32.3

Gene name: collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal
dominant)

Gene product: collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal
dominant) [COL3A1]

Gene symbol: COL3A1

Contains complete coding sequence: No

Vector Information

Construct size (kb): 7.300000190734863

Intact vector size: 2.960

Vector name: pBluescript

Type of vector: phagemid

Construction: pUC19

Host range: *Escherichia coli*

Vector end: EcoRI

Enhancer: none

Insert detection: lacZ'

Markers: ampR

Promoters: T7; T3; lac

Replicon: pMB1; f1

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--3.4(doublet), 0.9; BglI-- 2.5, 1.4(doublet), 0.9(doublet), 0.52;

EcoRI--4.6, 2.9; NcoI--4.7, 3.5; XhoI--3.9, 2.5, 1.1.

- ATCC staff

The insert contains 78 nt 5' untranslated sequence, and 4200 nt of the coding region. The insert ends at a naturally-occurring EcoRI site at nt 4303 of the sequence record.

- J. Biol. Chem. 264: 1349-1352, 1989

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

end): BamHI--0.25, 1.11; BglI--0.61, 1.94, 2.39, 3.28; EcoRI--4.27; NcoI--0.97,

4.07; PvuII--0.60, 0.84, 2.39, 3.09, 3.25, 4.13; SacI--0.96, 1.29, 2.08, 2.90;

XhoI--1.05, 3.57.

- J. Biol. Chem. 264: 1349-1352, 1989

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: SM38 (ATCC 95502)

References

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

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Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: tech@atcc.org or contact your local distributor
