



pSP64-VIII

39812™

Product Sheet

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* DH1

Patent depository: This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.

Patent number:

4,868,112

Technical information: ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

Storage Conditions

Product format: Frozen

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): 7.2000000000000002

Type of DNA: cDNA

Insert source: fetal liver

Insert tissue: fetal liver

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique
(hemophilia A)

Cross references:

Genome: human

Chromosome: X

X q28

Gene name: coagulation factor VIIIc, procoagulant component (hemophilia A)

Gene product: coagulation factor VIIIc, procoagulant component (hemophilia A) [F8C]

Gene symbol: F8C

Alleles: F3, E1, E1, E2, F1, F2, A1, A2

Contains complete coding sequence: Unknown

Vector Information

Construct size (kb): 10.19999980926514

Intact vector size: 2.999

Vector name: pSP64

Type of vector: plasmid

Host range: *Escherichia coli*

Vector end: Sall

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

Enhancer: none

Markers: ampR

MCS: HindIII...EcoRI, ->

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

Promoters: SP6

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--5.0, 3.0, 2.6; EcoRI--4.9, 3.4, 1.8, 0.4.

- ATCC staff

PvuI and SmaI are unique restriction sites.

- personal communication

The insert detects a single mRNA of about 9 kb from human liver.

- Nature 312: 342-347, 1984

This was constructed by ligating several independently isolated cDNA clones and adding a Sall linker at nucleotide 145.

- Nature 312: 342-347, 1984

The insert contains cDNA sequences from just before the initiator ATG (nucleotide 150-152) to nucleotide 7422 (200 bp downstream from the terminator at nucleotide 7201).

- Nature 312: 342-347, 1984

.tail_inf

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Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pSP64-VIII (ATCC 39812)

References

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

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