



human CAV cDNA

95656™

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): 1.123

Type of DNA: cDNA

Insert source: liver

Insert tissue: Liver

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

Insert 5' end: Modification: EcoRI linker

Insert 3' end: Modification: XhoI linker

Cross references: DNA Seq. Acc.: L19297

Nucleotides 1-1123 of the insert correspond to nucleotides 1-1123 of L19297.

Genome: Homo sapiens

Chromosome: 16

Gene name: carbonic anhydrase V

Gene product: carbonic anhydrase V [CA5]

Gene symbol: CA5

Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 4.079999923706055

Intact vector size: 2.960

Vector name: pBluescript SK-

Type of vector: phagemid

Construction: pUC19

Host range: *Escherichia coli*

Vector end: EcoRI; XhoI

Cloning sites: KpnI; Apal; DralI; XhoI; Sall; HincII; Accl; ClaI; HindIII; EcoRV; EcoRI; PstI;

Smal; BamHI; SpeI; XbaI; EagI; NotI; SacII; BstXI; SacI

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Insert detection: lacZ', <-**Markers:** ampR**MCS:** KpnI...Sacl, ->**Polylinker sites:** SacI; BstXI; SacII; NotI; EagI; XbaI; SpeI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; (ClaI Bsp106I); (HincII Accl Sall); XhoI; (Eco0109I DralI ApaI); KpnI**Primer site:** M13-20, ->; M13 reverse, <-**Promoters:** T7; T3; lac**Replicon:** f1, →; 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): BamHI--4.1;

BamHI/XhoI--3.0, 1.1; BglI--1.9, 1.3, 0.9; EcoRI--3.6, 0.52; PstI--3.6, 0.4.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): PvuII--0.29; BglI--0.38; EcoRI--0.53; PstI--0.63.

- GenBank/EMBL/DDBJ

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: human CAV cDNA (ATCC 95656)

References

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

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