



# human CAV cDNA

95657™

## Description

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

**Clone type:** Clone

**Shipping information:** Rehydrate with TE

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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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## 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.

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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):** 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

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## 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; Drall; XhoI; Sall; HincII; Accl; ClaI; HindIII; EcoRV; EcoRI; PstI;

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

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Product Sheet

**Insert detection:** lacZ', <-

**Markers:** ampR

**MCS:** KpnI...SacI, ->

**Polylinker sites:** SacI; BstXI; SacII; NotI; EagI; XbaI; SpeI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; (ClaI Bsp106I); (HincII Accl SalI); XhoI; (Eco0109I Drall ApaI); KpnI

**Primer site:** M13-20, -> M13 reverse, <-

**Promoters:** T7; T3; lac

**Replicon:** f1, -> pMB1

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## 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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: human CAV cDNA (ATCC 95657)

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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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