



pVH17

86963™

Description

Organism: *Escherichia coli* (Migula) Castellani and Chalmers

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): 2.1299999999999999

Type of DNA: genomic

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Insert 5' end: EcoRI

Insert 3' end: Aval

Cross references: DNA Seq. Acc.: X03224

Genome: Escherichia coli

Target gene: 2-deoxyribose-5-phosphate aldolase

Gene name: 2-deoxyribose-5-phosphate aldolase

Gene product: 2-deoxyribose-5-phosphate aldolase [deoC]

Gene symbol: deoC

Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 5.0699999217987061

Intact vector size: 4.363

Vector name: pBR322

Type of vector: plasmid

Construction: pBR313

Host range: *Escherichia coli*

Vector end: EcoRI; Aval

Vector information:

Cross references: DNA Seq. Acc.: J01749

Cloning sites: EcoRI; ClaI; HindIII; EcoRV; BamHI; SphI; SalI; XmaIII; NruI; BspMI; BsmI; StyI; Aval; Ball; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI; PstI; PvuI; Scal; SspI; AatII

Markers: ampR; tetR

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—4.5, 0.5; BglII—5.0; EcoRI/AvaI—3.0, 1.6, 0.5. The 0.5 kb EcoRI and the 1.6 kb AvaI/EcoRI fragment are from the insert.

- ATCC staff

Contains the two tandem promoter/operator regions for the deo operon, the complete coding sequence for deoC, and 53 bp of deoA. The insert includes approximately 350 bp 5' sequence not in the GenBank record.

- EMBO J. 1: 317-322, 1982

The insert contains the following restriction sites (approximate kb from the 5' end): ClaI—0.46, 0.53; EcoRI—0.48; BglII—0.59.

- EMBO J. 1: 317-322, 1982

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pVH17 (ATCC 86963)

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