pCMV-h240H

99665™

Description

Full length clone of human cholesterol 24-hydroxylase in the pCMV6 vector. The insert for this clone is human cholesterol 24 OH (Genbank number AF094480), nt (-42) to 111 is genomic DNA and from 111 to end is cDNA.

Note: Nt 356 of insert is C, differing from AF094480 which is G. This is probably an RT error and not a polymorphism. This causes an R to T substitution, yet the expressed protein is still active.

-----Personal communication

Organism: *Homo sapiens*, human
Clone type: Clone
Deposited As: human
Shipping information: *Escherichia coli* containing the plasmid

Storage Conditions

Product format: Freeze-dried
Storage conditions: 2°C to 8°C

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): 2.2000000000000002
Type of DNA: cDNA
Target gene: cholesterol 24 hydroxylase
Gene product: cholesterol 24 hydroxylase [h24OH]

Vector Information

Construct size (kb): 6.900000095367432

Growth Conditions

Medium:
ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
Temperature: 37°C

Handling Procedures

Asceptically add 0.3 to 0.4 mL of liquid medium to the freeze-dried pellet and mix well. Transfer 100 *u*L to a test tube containing 5 mL LB+50mg/mL of ampicillin. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37^0 C. Isolate DNA using standard plasmid preparation procedures.

Notes

Restriction digests of the clone gave the following bands (in kb) : EcoRI 4.6, 2.2 ; PstI 4.6, 1.1, 0.7. ----ATCC staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pCMV-h240H (ATCC 99665)

References

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

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Revision

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