pSCH2009

87419™

Description

This is a partial clone of the *Klebsiella pneumoniae* aac(6?)-Ib gene. Nucleotides 1-331 of the insert correspond to nucleotides 471 - 801 of the Genbank sequence M21682.A hybridization probe may be generated using the following vector specific PCR primers: Modified T3:5??CCCCTCACTAAAGGGAACAAAAGCTG ? 3?Modified T7:5? ? CGCGTAATACGACTCACTATAGGGCGAA-3?A single gel purification of the PCR generated probe is necessary since flanking regions will co-amplify with the gene specific sequence. Failure to do so often results in high backgrounds and false positives with clinical E. coli strains. Due to the sequence similarity between aac(6?)-Ib and aac(6?)-IIa genes, the aac(6?)-Ib probe is used to detect both genes. - *In:* Woodford, N; Johnson, A., eds. Methods in molecular medicine: molecular approaches for the diagnosis and investigation of bacterial diseases. Totowa, NJ: The Humana Press, Inc.; 1996

Organism: *Klebsiella pneumoniae* (Schroeter) Trevisan
Clone type: Clone
Shipping information: *Escherichia coli* containing the phagemid

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): 0.33100000000000002
Type of DNA: cDNA
Gene product: aminoglycoside 6'-N-acetyltransferase [aac(6')-Ib]
Gene symbol: aac(6')-Ib

Vector Information

Construct size (kb): 3.299999952316284

Growth Conditions

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

Handling Procedures

1. Open vial according to instructions.2. aseptically 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+ ampicillin (50-100 ug/mL). A loopful of culture can also be streaked on an agar plate of the same. Incubate cultures at 37^0 C. 3. Isolate DNA using standard plasmid preparation procedures.

Notes

Restriction digests of the clone gave the following sizes (in kb): HindIII/XhoI 3.0, 0.4 ; HindIII 3.4 ; XhoI 3.4. ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pSCH2009 (ATCC 87419)

References

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

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Revision

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