

pSCH2009

87419TM

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?)-Ila 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.



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BSL₁

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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.

Insert Information

Insert size (kb): 0.33100000000000002

Type of DNA: cDNA

Gene product: aminoglycoside 6'-N-acetyltransferase [aac(6')-lb]

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 uL 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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