pGIKS-BioB5 phagemid in *E. coli*

87825™

Description

Nucleotides 2033 to 2341 of the gene for biotin synthetase (BioB) protein from Genbank X52327 were directionally cloned from *E. coli* genomic DNA into the Xho I - Not I (5'-3') regions of the pBluescript II KS+ phagemid. The phagemid allows for either the production of an antisense transcript from the T7 promoter or a sense transcript from the T3 promoter. A 350 nucleotide transcript is produced from the T7 promoter when the construct is linearized with Xho I. Transcripts from the phagemid construct can be used for normalization and control hybridizations during microarray analyses.

Shipping information: Glycerol stock of *E. coli* DH5a containing the plasmid.

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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): 308 bp
Insert information: Nucleotides 1-308 of the insert correspond to nucleotides 2033-2341 of Genbank X52327.

Vector Information

Construct size (kb): 3.269
Intact vector size: 2.961
Vector name: pBluescript II KS+
Type of vector: phagemid
Markers: ampR

Growth Conditions

Temperature: 37°C

Handling Procedures

Thaw contents of the vial in a 37°C water bath with gentle agitation. Transfer a loopful to a test tube containing 5 mL LB + 50 µg/mL of ampicillin broth. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pGIKS-BioB5 phagemid in *E. coli* (ATCC 87825)

References

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

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Revision

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