

87828<sup>TM</sup>

## Description

This item is one of a set of 11 cloned bacterial and phage genes (1) (set = ATCC No. 87840). *Esherichia coli* DH5a containing pGIKS-BioB3 is provided as a frozen glycerol aliquot. Nucleotides 2750 to 3052 of the gene for biotin synthetase (BioB) protein 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.

Organism: Escherichia coli (Migula) Castellani and Chalmers

Clone type: Clone
Deposited As: human
Volume: > 200 mL

## **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<sub>1</sub>



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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): 0.349999999999998

Type of DNA: cDNA
Gene product: [bioB]

#### **Vector Information**

Construct size (kb): 3.200000047683716

## **Growth Conditions**

Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Temperature: 37°C

## Handling Procedures



The phagemid construct within the *E. coli* DH5a host can be grown in LB + amp (50 mg/mL) at 37°C and then isolated using standard plasmid preparation procedures (2).

#### **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: pGIKS BioB3 (ATCC 87828)

## References

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

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#### Revision



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