



# pGKS-BioB

## 87487™

Product Sheet

### Description

**Organism:** *Escherichia coli* (Migula) Castellani and Chalmers

**Clone type:** Clone

**Host:** *Escherichia coli* DH5

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### Storage Conditions

**Product format:** Freeze-dried

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### 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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### 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.

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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](http://www.atcc.org).

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## Insert Information

**Insert size (kb):** 1.1000000000000001

**Type of DNA:** genomic

**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

Insert 5' end: Modification: XhoI linker

Insert 3' end: Modification: EcoRI linker

Cross references: DNA Seq. Acc.: J04423

Nucleotides 1-1041 of the insert correspond to nucleotides 2012-3052 of J04423.

Insert end (5'): XhoI linker

Insert end (3'): EcoRI linker

**Genome:** *Escherichia coli*

**Gene name:** biotin synthetase

**Gene product:** biotin synthetase [bioB]

**Gene symbol:** bioB

**Contains complete coding sequence:** Yes

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## Vector Information

**Construct size (kb):** 4.1

**Intact vector size:** 2.961

**Vector name:** pBluescript II KS+

**Type of vector:** phagemid

**Host range:** *Escherichia coli*

**Vector end:** XhoI; EcoRI

**Cloning sites:** BssHII; KpnI; Apal; DralI; XhoI; HincII; Accl; Sall; ClaI; HindIII; EcoRI; PstI; SmaI; BamHI; XbaI; NotI; EagI; SacI

**Insert detection:** lacZ'

**Markers:** ampR

**Polylinker sites:** BssHII; KpnI; Apal; DralI; XhoI; HincII; Accl; Sall; ClaI; HindIII; EcoRI; PstI;

SmaI; BamHI; XbaI; NotI; EagI; SacI

**Replicon:** pMB1; f1

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## Growth Conditions

### Medium:

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

**Temperature:** 37°C

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## Notes

Restriction digests of the clone give the following sizes (kb): EcoRI--4.1;

EcoRI/XhoI--3.0, 1.1; XhoI--4.1.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): RsaI--0.33; DdeI--0.58, 0.82; SspI--1.02.

- GenBank/EMBL/DDBJ

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pGKS-BioB (ATCC 87487)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

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