



pGIBS-PHE

87483TM

Product Sheet

Description

Expression control clone for microarrays.

Organism: *Bacillus subtilis* subsp. *subtilis* (Ehrenberg) Cohn

Clone type: Clone

Host: *Escherichia coli* DH5

Shipping information: *Escherichia coli* containing the phagemid in glycerol stock

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): 1.3200000000000001

Insert information:

Gene: pheB

Source: *Bacillus subtilis*

Genbank accession: M24537 (Nucleotides 1-1318 of the insert correspond to nucleotides 2017-3334 of M24537)

Insert end (5'): XhoI linker

Insert end (3'): BamHI/poly(A)/NotI linker

Vector Information

Construct size (kb): 4.2

Intact vector size: 2.961

Vector name: pBluescript II KS+

Type of vector: phagemid

Vector end: XhoI; NotI

Vector information: Excise insert: XhoI+NotI

Promoter giving the sense strand: T3

Promoter giving the antisense strand: T7

Markers: ampR

Promoters: T3; T7

Growth Conditions

Medium:

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

Temperature: 37°C

Handling Procedures

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.

Notes

Restriction digests of the clone gave the following sizes (in kb): NotI/XhoI 3.0, 1.4 ; NotI 4.4 ; XhoI 4.4.

-ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pGIBS-PHE (ATCC 87483)

References

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

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