pGIBS-THR

87484™

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): 1.98
Insert information:
Gene: thrB
Source: *Bacillus subtilis*
Genbank accession: X04603 (Nucleotides 1-1982 of the insert correspond to nucleotides 248-2229 of X04603)
Insert end (5'): XhoI linker
Insert end (3'): BamHI/poly(A)/NotI linker

Vector Information

Construct size (kb): 4.9
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, 2.0 ; XhoI 5.0.
-ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pGIBS-THR (ATCC 87484)

References

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

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Revision

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