



pC194Amy

31784™

Description

Organism: *Geobacillus stearothermophilus* (Donk) Nazina et al.

Clone type: Clone

Host: *Bacillus subtilis* 1A289

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Patent number:

4,493,893

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BSL 1

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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): 3

Type of DNA: genomic

Insert strain: N21

Genome: *Bacillus stearothermophilus*

Gene name: alpha-amylase

Gene product: amylase, alpha 1A; salivary(Amylase, salivary, alpha-1A)

Contains complete coding sequence: Unknown

Insert end: HindIII

Vector Information

Construct size (kb): 8.300000190734863

Intact vector size: 2.900

Vector name: pC194

Type of vector: plasmid

Construction: natural isolate

Host range: *Bacillus* sp.; *Staphylococcus aureus*

Vector end: HindIII

Vector information:

Cross references: DNA Seq. Acc.: L08860

Cloning sites: HaeIII; HindIII; BglI

Markers: cmlR

Replicon: pC194

Growth Conditions

Medium:

ATCC Medium 1675: LB Agar/Broth (1065) w/ 10ug/ml Chloramphenicol

Temperature: 37°C

Notes

The genotype for the host strain is phe tyr trp sacA.

- personal communication

Plasmid encodes a thermostable alpha-amylase. The probe was constructed from pC194 and Bacillus stearothermophilus plasmid DNA.

- U.S. Pat. 4,493,893 dated Jan. 15, 1985

.patent

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Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pC194Amy (ATCC 31784)

References

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

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