

31789<sup>™</sup>

## Description

Organism: Geobacillus stearothermophilus (Donk) Nazina et al.

Clone type: Clone

Host: Escherichia coli RR1; K-12 RR1

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#### **Patent number:**

4,493,893

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# Storage Conditions

Product format: Freeze-dried

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### 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): 5.29999999999998

Type of DNA: genomic Insert strain: N21

**Genome:** Bacillus stearothermophilus **Target gene:** amylase, alpha 1A, salivary

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):** 9.899999618530273

Intact vector size: 4.363 Vector name: pBR322 Type of vector: plasmid Construction: pBR313 Host range: Escherichia coli



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Vector end: HindIII
Vector information:

Cross references: DNA Seq. Acc.: J01749

Cloning sites: EcoRI; ClaI; HindIII; EcoRV; BamHI; SphI; SalI; XmaIII; NruI; BspMI; BsmI;

Styl; Aval; Ball; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI

Markers: ampR; tetR

Replicon: pMB1

#### **Growth Conditions**

Medium:

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

**Temperature:** 37°C

#### Notes

Restriction digests of the clone give the following sizes (kb): EcoRI--7.4, 1.2 (doublet); HindIII--5.3, 4.6; PstI--7.4, 2.5.

- ATCC staff

The plasmid encodes a thermostable alpha-amylase which is produced intracellularly and not exported.

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

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#### **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: pBR322Amy (ATCC 31789)

#### References

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

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#### Revision

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