

31788TM

Description

Organism: Geobacillus stearothermophilus (Donk) Nazina et al.

Clone type: Clone

Host: Escherichia coli C600

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Patent number:

4,493,893

Technical information: ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

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Product format: Freeze-dried

Intended Use

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BSL₁

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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

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): 9.899999618530273

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; XmalII; NruI; BspMI; BsmI; StyI; AvaI; BalI; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI; PstI; PvuI; ScaI; SspI; AatII

Markers: ampR; tetS; tetR

Replicon: pMB1

Growth Conditions

Medium:

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

Temperature: 37°C

Notes

The plasmid encodes a thermostable alpha-amylase.

- 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: PBR322 AMY Plasmid in *Escherichia coli* (ATCC 31788)

References



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

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