



# pC194Amy

## 31786™

### Description

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

**Clone type:** Clone

**Patent depository:** This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.

**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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### Storage Conditions

**Product format:** Freeze-dried

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### Intended Use

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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](http://www.atcc.org).

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## Insert Information

**Insert size (kb):** 3

**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

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## 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

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## Notes

Plasmid encodes a thermostable alpha-amylase which is exported. 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 31786)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

This information on this document was last updated on 2025-03-22

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## Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

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