



# pBlueBac/PKC-alpha

80044™

## Description

**Organism:** *Homo sapiens*, human

**Clone type:** Clone

**Host:** *Escherichia coli* HB101 (ATCC 33694)

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## Storage Conditions

**Product format:** Frozen

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## 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.

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## 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.

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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):** 2

**Type of DNA:** cDNA

**Insert source:** liver, HepG2 cell line

**Insert tissue:** liver, HepG2 cell line

**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

Cross references: DNA Seq. Acc.: X52479

**Genome:** Homo sapiens

**Chromosome:** 17

17 q22-q24

**Target gene:** protein kinase C, alpha

**Gene name:** protein kinase C, alpha

**Gene product:** protein kinase C, alpha [PKCA]

**Gene symbol:** PRKCA; PKCA

**Contains complete coding sequence:** Yes

**Insert end:** SpeI

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## Vector Information

**Construct size (kb):** 16.0

**Intact vector size:** 14.000

**Vector name:** pBlueBac

**Type of vector:** phagemid

**Host range:** insect cells

**Vector end:** NheI

**Cloning sites:** NheI

**Insert detection:** lac

**Markers:** ampR

**Promoters:** polyhedrin

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**Replicon:** pMB1; f1; SV40

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## Growth Conditions

**Medium:**

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

**Temperature:** 37°C

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## Notes

Restriction digests of the clone give the following sizes (kb): BamHI--10.0, 3.5, 1.3, 1.1, 0.25; BglI--5.8, 5.4, 2.2, 1.6, 1.2; NcoI--16.0; PstI--15.0, 0.65; PvuII--3.3, 2.5 (doublet), 2.3, 1.6, 1.4, 1.2, 0.75, 0.35.

- ATCC staff

Contains the complete coding sequence only (nt 28-2046 of GenBank X52479). The NheI/SpeI sites were destroyed during cloning.

- personal communication

The insert contains the following restriction sites (approximate kb from the 5' end): BamHI--0.56, 0.77; BglI--0.94; NcoI--1.15; PstI--0.15; PvuII--1.21, 1.93; SmaI--0.02.

- Nucleic Acids Res. 18: 2183, 1990

More information may be available from ATCC (<http://www.atcc.org> or 703-365-2620).

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the

following manner: pBlueBac/PKC-alpha (ATCC 80044)

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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

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## Contact Information

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