



# pBR322-C-A3 [pC-AC]

## 39868™

### Description

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

**Clone type:** Clone

**Host:** *Escherichia coli* RR1

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**Patent number:**

4,857,466

**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

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

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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):** 0.33000000000000002

**Type of DNA:** cDNA

**Insert source:** chronic myelogenous leukemia, Philadelphia +

**Insert tissue:** chronic myelogenous leukemia, Philadelphia +

**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

Cross references: DNA Seq. Acc.: M26602

**Genome:** human

**Chromosome:** 8

8 p23-p22

**Gene name:** defensin 1

**Gene product:** defensin 1 [MRS]

**Gene symbol:** DEF1; MRS

**Contains complete coding sequence:** Unknown

**Insert end:** Modification: GC tails

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## Vector Information

**Construct size (kb):** 4.630000114440918

**Intact vector size:** 4.363

**Vector name:** pBR322

**Type of vector:** plasmid

**Construction:** pBR313

**Host range:** *Escherichia coli*

**Vector end:** PstI

**Vector information:**

Cross references: DNA Seq. Acc.: J01749

**Cloning sites:** EcoRI; ClaI; HindIII; EcoRV; BamHI; SphI; SalI; XmaIII; NruI; BspMI; BsmI; StyI; Aval; Ball; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI; PstI; PvuI; Scal; SspI; AatII

**Markers:** ampR; tetR

**Replicon:** pMB1

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## Growth Conditions

**Medium:**

ATCC Medium 1273: LB medium (ATCC medium 1065) with 20 mcg/ml tetracycline

**Temperature:** 37°C

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## Notes

Restriction digests of the clone give the following sizes (kb): PstI--4.6;

EcoRI--4.6; PvuII--4.6; PstI/EcoRI--3.7, 0.9; PstI/PvuII--3.4, 1.4.

- ATCC staff

The insert cannot be excised by PstI alone due to a deletion in the vector.

Approximately 260 bp can be cut out using a PstI/RsaI double digest.

- personal communication

Can be used in Northern blots to detect mRNA abundant in chronic myelogenous leukemia but not in normal leukocytes.

- U.S. Pat. 4,857,466 dated Aug. 15, 1989

The insert contains the following restriction sites (with nucleotide positions according to the published sequence): PstI--186 (close to 5' end of the insert), HindIII--246, SstI--403, RsaI--448, 493.  
- Blood 71: 1713-1719, 1988

.tail\_inf  
.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: pBR322-C-A3 [pC-AC] (ATCC 39868)

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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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