



# P BETA I-Z15 Plasmid in *Escherichia coli*

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## Description

**Clone type:** Clone

**Host:** *Escherichia coli*

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**Patent number:**

4,677,063

**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

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

**Type of DNA:** cDNA

**Insert information:** Genomic copy number: unique

**Genome:** human

**Chromosome:** 9

9 p22

**Gene name:** interferon, beta 1, fibroblast

**Gene product:** interferon, beta 1, fibroblast [IFNB]

**Gene symbol:** IFNB1; IFNB

**Contains complete coding sequence:** Unknown

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## Vector Information

**Construct size (kb):** 0.0

**Intact vector size:** 4.363

**Vector name:** pBR322

**Type of vector:** plasmid

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Product Sheet

**Construction:** pBR313

**Host range:** *Escherichia coli*

**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; PstI; PvuI; Scal; SspI; AatII

**Markers:** ampR; tetR

**Replicon:** pMB1

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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

Depositor recommends adding ampicillin to 15 ug/ml, but we find it grows in 40 ug/ml.

- ATCC staff

A PstI/HindIII digest of the construct gives 3 fragments. The largest one is the vector (pBR322); the coding sequences are in the 144 bp fragment.

- personal communication

Contains N gene ribosome binding site with HindIII site 3' to it and 5' to ATG.

Contains ATG plus 140 bp of beta-IFN fused to lacZ.

- U.S. Pat. 4,677,064 dated June 30, 1987

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: P BETA I-Z15 Plasmid in *Escherichia coli* (ATCC 39578)

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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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