



PHIIF-SV-Gamma 5 Plasmid in *Escherichia coli* DH1

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Description

Clone type: Clone

Host: *Escherichia coli* DH1(lambda)

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Patent number:

5,004,689

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.

Storage Conditions

Product format: Freeze-dried

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.

Insert Information

Insert size (kb): 1.1000000000000001

Type of DNA: cDNA

Insert source: splenocytes, mitogen-stimulated

Insert tissue: splenocytes, mitogen-stimulated

Genome: human

Chromosome: 12

12 q24.1

Gene name: interferon, gamma

Gene product: interferon gamma [IFNG]

Gene symbol: IFNG

Contains complete coding sequence: Yes

Insert end: Modification: GC tails

Vector Information

Construct size (kb): 9.699999809265137

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Intact vector size: 8.640

Vector name: pSV529

Type of vector: plasmid

Construction: pBR322, SV40, pSV52

Host range: vertebrate cells

Vector end: BamHI (C-tailed)

Cloning sites: BamHI; EcoRI

Markers: ampR

Replicon: pMB1; SV40

Growth Conditions

Medium:

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

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--9.2, 5.5, 2.7, 1.1; BglI--3.6, 3.3, 1.8, 1.3; NcoI--4.1, 3.7, 1.2, 0.3. Analysis of the undigested plasmid shows a significant band migrating at approximately 2.7 kb and a weaker band at 5.5 kb.

- ATCC staff

Contains the complete coding sequence, between nucleotides (approx) 100 and 600, with an orientation opposite to that of the SV40 promoter.

- U.S. Pat. 5,004,689 dated Apr. 2, 1991

The insert contains the following restriction sites (approximate kb from the 5' end): BglI--0.86; NcoI--0.9.

- U.S. Pat. 5,004,689 dated Apr. 2, 1991

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Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: PHIIF-SV-Gamma 5 Plasmid in *Escherichia coli* DH1 (ATCC 39047)

References

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

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