



pLG117R

31903™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* MM294

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Storage Conditions

Product format: Freeze-dried

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.

Insert Information

Insert size (kb): 0.5999999999999998

Type of DNA: cDNA

Insert source: fibroblast

Insert tissue: fibroblast

Insert information:

Genomic copy number: unique

Genome: human

Chromosome: 9

9 p22

Target gene: interferon, beta 1, fibroblast

Gene name: interferon, beta 1, fibroblast

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

Gene symbol: IFNB1; IFNB

Contains complete coding sequence: Unknown

Vector Information

Vector name: unknown

Type of vector: plasmid

Host range: *Escherichia coli*

Markers: ampR

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/BglII--2.2, 0.6; PstI--1.8, 0.96; BamHI--2.8.

- ATCC staff

Insert contains an internal PstI site.

- Proc. Natl. Acad. Sci. USA 77: 5230-5233, 1980

Constructed by inserting a lacZ promoter (derivative of lac95 portable promoter) upstream of Bal31-digested pre-interferon beta cDNA.

- Proc. Natl. Acad. Sci. USA 77: 5230-5233, 1980

Encodes a 20 kDa protein product in *Escherichia coli*, corresponding to the expected molecular weight of unglycosylated interferon beta. Demonstrates anti-viral activity (inhibition of cytopathic effect using VSV and human fibroblasts).

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Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pLG117R (ATCC 31903)

References

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

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