



PLF-1 Plasmid in *Escherichia coli*

39721™

Description

Organism: *Mus musculus*, mouse

Clone type: Clone

Host: *Escherichia coli* MM294

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Patent number:

4,767,709

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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Product format: Freeze-dried

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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): 0.79000000000000004

Type of DNA: cDNA

Insert source: 3T3 cell line

Insert tissue: 3T3 cell line

Insert information:

Genomic copy number: 4 - 6

Cross references: DNA Seq. Acc.: K02245

Genome: mouse

Chromosome: 13

13

Gene name: proliferin

Gene product: proliferin [Plf]

Gene symbol: Plf

Contains complete coding sequence: Unknown

Insert end: Modification: GC tails

Vector Information

Construct size (kb): 4.199999809265137

Intact vector size: 3.410

Vector name: pKP43

Type of vector: plasmid

Host range: *Escherichia coli*

Vector end: PstI

Cloning sites: PstI

Markers: tetR

Growth Conditions

Medium:

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

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): PstI--3.7, 0.78;

EcoRI--4.5; BamHI--4.5.

- ATCC staff

Insert has a single open reading frame encoding 224 amino acid residues (ATG beginning at nt 5) of murine proliferin. Termination codon TGA is at nt 677-679 and a polyA signal is present around nt 770.

- U.S. Pat. 4,767,709 dated Aug. 30, 1988

The probe detects a 1 kb mRNA abundant in several lines of proliferating mouse cells, but virtually absent in resting cells.

- Proc. Natl. Acad. Sci. USA 81: 4255-4259, 1984

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Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: PLF-1 Plasmid in *Escherichia coli* (ATCC 39721)

References

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

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Product Sheet

Revision

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