



pFC54.t

39789™

Description

Organism: *Homo sapiens*, human

Clone type: Vector

Host: *Escherichia coli*

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Patent number:

4,666,848

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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): 0.66000000000000003

Type of DNA: cDNA

Insert information:

Genomic copy number: unique

Genome: human

Chromosome: 4

4 q26-q27

Gene name: interleukin 2

Gene product: interleukin 2 [IL2]

Gene symbol: IL2

Contains complete coding sequence: Unknown

Vector Information

Construct size (kb): 6.0999999904632568

Intact vector size: 5.440

Vector name: pFC54

Type of vector: plasmid

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39789**Construction:** pFC54, pHCW801**Host range:** *Escherichia coli***Markers:** ampR**Replicon:** pMB1

Growth Conditions**Medium:**

ATCC Medium 1315: LB Medium (ATCC medium 1065) with 100 mg/L ampicillin

Temperature: 30°C

Notes

This should not be grown at temperatures exceeding 30C. The depositor recommends

using ampicillin at 100 ug/ml. The strain is temperature inducible. Construct contains a positive retroregulatory element which increases the level of production of the IL2 (Ser125) using a temperature regulated control cassette in a temperature-regulated ColE1 copy mutant plasmid vector.

- personal communication

The clone contains a lambdaPL promoter.

- U.S. Pat. 4,666,848 dated May 19, 1987

This was constructed from a SphI/XbaI fragment of pFC54 ligated to a 655 bp SphI/XbaI fragment of pHCW801 containing the C-terminal 255 bp of Ser125 IL-2, 36 bp of 3' untranslated IL-2 cDNA and 394 bp of the positive retroregulatory element.

- U.S. Pat. 4,666,848 dated May 19, 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: pFC54.t (ATCC 39789)

References

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

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