



Product Sheet

## pFC54.t (ATCC® 39789™)

Please read this FIRST



### Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

### Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: pFC54.t (ATCC® 39789™)

### Shipping Information

Distributed: freeze-dried

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

### Description

**Designation:** pFC54.t  
**Distribution Host:**  
Distribution host: Escherichia coli

### Propagation

**Growth Conditions**  
**Temperature:** 30.0°C  
**Medium**  
ATCC® Medium 1315: LB Medium (ATCC medium 1065) with 100 mg/L ampicillin

### Vector Information

Size (kb): 5.6100001335144040  
DESCRIPTION OF VECTOR COMPONENT:  
Name of vector: pFC54  
Intact vector size: 5.440  
Type of vector: plasmid  
Cloning sites:  
Polylinker sites:  
Host range: Escherichia coli  
Features (with orientation and position when available):  
marker(s): ampR  
promoter: lambdaPL  
replicon: pMB1  
Cross references:  
Vector: pFC54.t (plasmid)  
Construction: pFC54, pHCW801  
Marker(s): ampR  
Construct size (kb): 6.099999904632568

### References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

### 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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.patent

### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes



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for Health.

### ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

### Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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