



PAW737 Plasmid in *Escherichia coli* MC1000

53164™

Description

Clone type: Clone

Host: *Escherichia coli* MC1000; K-12 MC1000

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Patent number:

4,677,063

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.

53164

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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): 1.3

Type of DNA: cDNA

Insert information: Genomic copy number: unique

Genome: human

Chromosome: 6

6 p21.3

Gene name: tumor necrosis factor, alpha (cachectin)

Gene product: tumor necrosis factor, alpha (cachectin) [TNFA]

Gene symbol: TNFA

Contains complete coding sequence: Unknown

Insert end: BamHI; HindIII

Vector Information

Construct size (kb): 7.400000095367432

Intact vector size: 5.610

PAW737 Plasmid in *Escherichia coli* MC1000

53164

Product Sheet

Vector name: pFC54.t

Type of vector: plasmid

Construction: pFC54, pHCW801

Vector end: HindIII; BamHI

Cloning sites: BamHI; HindIII

Markers: ampR

Growth Conditions

Medium:

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

Temperature: 30°C

Notes

This should not be grown at temperatures exceeding 30C.

- U.S. Pat. 4,677,063 dated June 30, 1987

A 0.6 kb HindIII fragment contains the coding sequence plus some 3' untranslated sequence.

- U.S. Pat. 4,677,064 dated June 30, 1987

This was constructed from pAW711 (ATCC 39918) by deleting nucleotides encoding 7 amino terminal amino acids starting with Val of the processed TNF. The product shows biological activity similar to that of pAW739 (ATCC 53163).

- U.S. Pat. 4,677,063 dated June 30, 1987

pAW739 (ATCC #53163) shows maximal biological activity.

- U.S. Pat. 4,677,063 dated June 30, 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: PAW737 Plasmid in *Escherichia coli* MC1000 (ATCC 53164)

References

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

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53164

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53164

Product Sheet

Revision

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