



pE4

39894™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* MM294

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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.

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): 1.585

Type of DNA: cDNA

Insert source: HL-60 cell line (promyelocytic leukemia)

Insert tissue: HL-60 cell line (promyelocytic leukemia)

Insert information:

Genomic copy number: unique

Insert 5' end: Modification: GC

Insert 3' end: Modification: AT

Cross references: DNA Seq. Acc.: M10988

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

Vector Information

Construct size (kb): 4.80
Intact vector size: 3.000
Vector name: pcDV1
Type of vector: plasmid
Construction: pBR322, SV40
Host range: vertebrate cells
Cloning sites: Sall; ClaI; HindIII; EcoRI; KpnI
Enhancer: none
Markers: ampR
Promoters: none
Replicon: pMB1
Terminator: SV40 late

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): PstI--2.4, 1.4, 1.1; HindIII--3.4, 1.5; BamHI--3.1, 1.8; EcoRI--4.6; EcoRI/PstI--2.4, 1.5, 1.0; EcoRI/BamHI--3.1, 1.1, 0.7; HindIII/PstI--2.4, 0.9, 0.8, 0.5; BamHI/HindIII--2.7, 1.0, 0.74, 0.47; StuI--3.5, 2.2, 0.25.
- ATCC staff

The insert contains recognition sites for the following enzymes: HgiA1 (2), BglI (2), NarI, Aval, PvuII (2), HindIII, EcoRI, PstI, StuI (2).
- U.S. Pat. 4,677,064 dated June 30, 1987

A PstI digest will release a 1.1 kb fragment which contains the TNF coding sequence plus some vector sequence at the 5' end and some 3' untranslated

sequence.

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

.tail_inf

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pE4 (ATCC 39894)

References

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

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