pTF7-3 plasmid in *Escherichia coli*

67202™

Description

This is a clone of the bacteriophage T7 RNA polymerase, gene 1, in the pGS53 vector. When this plasmid is transfected into vaccinia-virus infected cells, T7 RNA polymerase activity is expressed. The pGS53 vector includes a p7.5 promoter with early and late regulatory signals upstream of BamHI and SmaI cloning sites. These are flanked by vaccinia TK sequences from the Wyeth strain to direct recombination with vaccinia virus.

- Proc. Natl. Acad. Sci. USA 83: 8122-8126, 1986.

Also available as the vaccinia recombinant, VTF7-3, ATCC® VR-2153™.

Organism: *Escherichia coli* bacteriophage T7

Clone type: Clone

Host: *Escherichia coli* HB101 (ATCC 33694)

Patent depository: This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.

Patent number:

5,550,035

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.

Shipping information: *Escherichia coli* containing the plasmid

Storage Conditions

pTF7-3 plasmid in *Escherichia coli*

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Product format: Freeze-dried
Storage conditions: 2°C to 8°C

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

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): 2.6499999999999999
Insert information:
Gene: gene 1, RNA polymerase
Contains complete coding sequence ?: Unknown
Insert ends: BamHI

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Genome: bacteriophage T7
Contains complete coding sequence: Unknown
Insert end: BamHI

Vector Information

Vector name: pGS53
Type of vector: plasmid
Construction: pUC13 ; vaccinia Wyeth
Vector end: BamHI
Vector information: Excise insert: BamHI
Markers: ampR
Promoters: vaccinia p7.5
Replicon: pMB1

Growth Conditions

Medium:
ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
Temperature: 37°C

Handling Procedures

1. Open vial according to instructions.
2. Asceptically add 0.3 to 0.4 mL of liquid medium to the freeze-dried pellet and mix well. Transfer 100 µL to a test tube containing 5 mL LB+ ampicillin (50-100 µg/mL). A loopful of culture can also be streaked on an agar plate of the same. Incubate cultures at 37°C.
3. Isolate DNA using standard plasmid preparation procedures.

Material Citation

If use of this material results in a scientific publication, please cite the material in the

following manner: pTF7-3 plasmid in *Escherichia coli* (ATCC 67202)

References

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

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