PHCW701 Plasmid in *Escherichia coli*

39757™

Description

Clone type: Clone
Host: *Escherichia coli*
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:
4,666,848
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

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

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): 0.0
Intact vector size: 4.363
Vector name: pBR322
Type of vector: plasmid

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Construction: pBR313
Host range: *Escherichia coli*
Vector end: EcoRI; PstI
Vector information:
Cross references: DNA Seq. Acc.: J01749
Cloning sites: EcoRI; ClaI; HindIII; EcoRV; BamHI; SphI; SalI; XmaIII; NruI; BspMI; BsmI; StyI; AvaI; BalI; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI; PstI; PvuI; ScaI; SspI; AatII
Markers: ampR; tetR
Replicon: pMB1

Growth Conditions

Temperature: 37°C

Notes

The cry sequence enhances expression of upstream coding regions.
- U.S. Pat. 4,865,974 dated Sept. 12, 1989

Constructed by inserting a 0.4 kb BamHI/EcoRI fragment containing the 3' sequences of the Bacillus thuringiensis crystal protein gene (cry) into the StuI site of pLW1 (ATCC 39405).
- U.S. Pat. 4,666,848 dated May 19, 1987

The order of the major features in this plasmid is: pBR322 - trp promoter - ribosome binding sites - IL2 - BamHI - cry sequence - EcoRI.
- U.S. Pat. 4,865,974 dated Sept. 12, 1989

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Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: PHCW701 Plasmid in *Escherichia coli* (ATCC 39757)

References

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

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