PPMG1 Plasmid in *Escherichia coli*

39256™

Description

Organism: *Salmonella enterica*
Clone type: Clone
Host: *Escherichia coli* C600
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:
5,094,945
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

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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

Type of DNA: genomic
Genome: Salmonella choleraesuis subsp. choleraesuis serovar Typhimurium
Gene name: 5-enolpyruvyl-3-phosphoshikimate synthetase
Gene product: 5-enolpyruvyl-3-phosphoshikimate synthetase [aroA]
Gene symbol: aroA
Contains complete coding sequence: Unknown
Insert end: Sau3AI

Vector Information

Construct size (kb): 45.0
Intact vector size: 23.000
Vector name: pVK100
Type of vector: cosmid
Construction: pRK290, pHK17 cos site
Host range: broad host range

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Vector end: BglII
Cloning sites: EcoRI; SalI; HindIII; XhoI
Markers: aroA+; kanR; tetR
Replicon: RK2

Growth Conditions

Medium:
ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin
Temperature: 30°C

Notes

IMPORTANT: To prevent amplification of a rearranged and/or deleted cosmid, we recommend streaking on LB + amp plates at 30C and picking small colonies for liquid culture.
- ATCC staff

pVK100 was partially digested with BglII. Carries mutant aroA locus conferring resistance to phosphonomethylglycine.
- U.S. Pat. 4,535,060 dated Aug. 13, 1985

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: PPMG1 Plasmid in *Escherichia coli* (ATCC 39256)

References

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

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