



pLA2917

39840™

Description

Clone type: Clone

Host: *Escherichia coli* HB101 (ATCC 33694)

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Patent number:

4,824,786

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

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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.

Vector Information

Construct size (kb): 21.0

Markers: kanR; tetR

Growth Conditions

Medium:

ATCC Medium 1273: LB medium (ATCC medium 1065) with 20 mcg/ml tetracycline

Temperature: 30°C

Notes

Restriction digests of the clone give the following sizes (kb): PstI--21.0; HindIII--21.0; BglII--21.0; EcoRI--17.0, 4.0; 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

DNA inserts, 25-40 kb in size, can be cloned into the BglII site and mobilized from *Escherichia coli* to *M. organophilum*.

- personal communication

Broad host range cosmid vector that can be used to characterize the genome of C1-utilizing microorganisms. Can be mobilized for transfer by conjugation between *E. coli* and other strains by the helper plasmid pRK2013 (ATCC 37159).

This vector transfers efficiently to a broad host range including *Escherichia coli* HB101, *Methylobacterium organophilum* DSM 761, *Pseudomonas* AM1, *Pseudomonas*

putida, and *Pseudomonas aeruginosa*. The BglII and PstI sites interrupt the kanamycin resistance gene; the SalI site interrupts the tetracycline resistance gene.

- U.S. Pat. 4,824,786 dated Apr. 25, 1989

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pLA2917 (ATCC 39840)

References

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

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Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: tech@atcc.org or contact your local distributor