



pEthr1

39021™

Description

Organism: *Escherichia coli* (Migula) Castellani and Chalmers

Clone type: Vector

Host: *Corynebacterium glutamicum* LA201

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Patent number:

4,710,471

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Product format: Frozen

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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

Insert size (kb): 8.8000000000000007

Type of DNA: genomic

Genome: Escherichia coli

Chromosome: 0 min

Target gene: aspartokinase I-homoserine dehydrogenase I

Gene name: aspartokinase I-homoserine dehydrogenase I

Gene product: aspartokinase I-homoserine dehydrogenase I [thrA]

Gene symbol: thrA

Contains complete coding sequence: Unknown

Insert end: BamHI

Vector Information

Construct size (kb): 15.60000038146973

Intact vector size: 6.700

Vector name: pCG11

Type of vector: plasmid

Construction: pCG1, pCG4; pCG11, pGH2

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Host range: *Brevibacterium* sp.; *Corynebacterium* sp.

Vector end: BglII

Cloning sites: PstI; BglII

Markers: strR; spcR; kanR

Replicon: pCG4

Growth Conditions

Medium:

ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin

Temperature: 30°C

Notes

The original vials from the depositor are being used for distribution.

- ATCC staff

This was constructed by inserting a 8.8 kb BamHI fragment from pGH2 into the BglII site of pCG11 (ATCC 39022). The construct contains the following restriction sites (in approximate kb from the unique PstI site): EcoRI--1.1, 4.1, 13.1; XhoI--7.3; HindIII--6.7. pGH2 contains the threonine operon from *Escherichia coli*. The BamHI fragment of pGH2 in this construct encodes homoserine dehydrogenase. Transformed strains do not require homoserine.

- U.S. Pat. 4,710,471 dated Dec. 1, 1987

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pEthr1 (ATCC 39021)

References

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

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