



pCPOT

39685TM

Description

Organism: *Schizosaccharomyces pombe* Lindner, fission yeast

Clone type: Vector

Host: *Escherichia coli* HB101 (ATCC 33694)

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Patent number:

4,766,073

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BSL 1

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Insert Information

Type of DNA: unknown

Genome: Schizosaccharomyces pombe

Target gene: triose phosphate isomerase

Gene name: triose phosphate isomerase

Gene product: triose phosphate isomerase [POT1]

Gene symbol: POT1

Contains complete coding sequence: Unknown

Vector Information

Construct size (kb): 0.0

Vector name: unknown

Type of vector: plasmid

Construction: pBR322, 2 micron, POT1

Host range: *Escherichia coli*

Markers: LEU2; ampR

Replicon: pMB1; 2 micron

Growth Conditions

Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): PstI--14, 4.3; AccI--3.3, 2.7, 2.7, 2.5, 2.5, 2.2, 1.5, 1.3; BglI--11.0, 4.5, 2.5; EcoRI--4.2, 3.3, 2.9, 2.9, 1.7, 1.3, 1.3.

- ATCC staff

The presence of the POT1 gene ensures stable maintenance of the plasmid in yeast during growth on nonselective medium using glucose as a carbon source. An episomal *Saccharomyces cerevisiae*/*Escherichia coli* shuttle expression vector containing 2 micron circle, pBR322 replication and selection, and *Schizosaccharomyces pombe* sequences encoding triose phosphate isomerase (POT1).

- U.S. Pat. 4,766,073 dated Aug. 23, 1988

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pCPOT (ATCC 39685)

References

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

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