



pC-ACT.2

87777™

Product Sheet

Description

Clone type: Vector

Host: *Escherichia coli* DH5

Deposited As: *Saccharomyces cerevisiae* Hansen, teleomorph

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.

Vector Information

Construct size (kb): 7.40399980545044

Intact vector size: 7.404

Vector name: pC-ACT.2 (plasmid)

Type of vector: plasmid

Construction: pRS314

Vector information:

signal peptide coding region: hemagglutinin epitope, 6797-6838

signal peptide coding region: hemagglutinin epitope

Cloning sites: NdeI; NcoI; AvrII; BglII; BclI; BamHI; SmaI; Sall; PstI

Coding sequence: bla, <-, 934-1794; bla

Markers: LEU2; crbR

MCS: NdeI..PstI, ->, 6845-6899

Polylinker sites: NdeI; NcoI; AvrII; BglII; BclI; BamHI; SmaI; Sall; PstI

Promoters: PADH, 5666-6375

Replicon: ColE1, 1-362; ARS4, 2066-2442

Ribosome-binding site: GAL4, ->, 6383-6791

Terminator: ADC1 transcriptional terminator (TADH), 6917-7107

Transcription terminator: ADC1 transcriptional terminator (TADH), 6917-7107

Growth Conditions

Medium:

ATCC Medium 1637: LB medium (ATCC medium 1065) with 100 mcg/ml carbenicillin

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--7.4;

PstI--7.4; HindIII--7.4; NdeI--7.4. Useful in two hybrid screening in yeast. A CEN based plasmid with Gal4 activation domain. It has lower copy number than 2 micron based plasmids. Contains unique restriction sites (BglII, BclI and BamHI) compatible with 5' GATC overhangs in all three reading frames.

- ATCC staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pC-ACT.2 (ATCC 87777)

References

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

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