pCM185

87659™

Description

A YC-type (centromeric) yeast expression shuttle vector. Expression in yeast is driven by the tetO-CYC1 promoter. Constructed such that transcription is driven by a hybrid tetO-CYC1 promoter through the action of a plasmid coded tetR-VP16(tTA) transcriptional activator. In the presence of antibiotic in the growth medium at a level that does not affect cell growth, expression from the tetO-regulated promoter is negligible. Changing the tetracycline concentration in the growth medium can modulate expression to achieve physiological levels to overexpression.One of 7 tetracycline-regulated expression vectors (ATCC 87656 ? 87662, set of all 7 is ATCC# 87663) differing in the level of expression, mode of replication and selectable marker.

Clone type: Vector

Shipping information: *Escherichia coli* containing the plasmid in glycerol stock

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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): 7.730000019073486
Vector name: pCM185 (plasmid)
Type of vector: plasmid
Vector information:
other: tTA transcriptional activator
Centromere: CEN4
Markers: ampR; TRP1
MCS: BamHI...PstI
Operator: tetO - seven repeats
Promoters: CMV; CYC1
Replicon: ARS1; pMB1
Terminator: ADH1; CYC1

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 gave the following sizes (in kb): BamHI 7.8 ; PstI 7.8 ; BamHI/XhoI 6.9, 0.8. ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pCM185 (ATCC 87659)

References

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

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Revision

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