



# 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

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### Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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### 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.

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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](http://www.atcc.org).

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## 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

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## Growth Conditions

**Medium:**

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

**Temperature:** 37°C

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## 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

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## Material Citation

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

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

This information on this document was last updated on 2021-05-19

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