

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

pCM157

RRID:Addgene_45863

Type: Plasmid

Proper Citation

RRID:Addgene_45863

Plasmid Information

URL: <http://www.addgene.org/45863>

Proper Citation: RRID:Addgene_45863

Insert Name: cre recombinase

Organism: Enterobacteria phage P1

Bacterial Resistance: Tetracycline

Defining Citation: [PMID:12449384](#)

Vector Backbone Description: Backbone Marker:Lidstrom Lab (Addgene plasmid 45826); Backbone Size:6878; Vector Backbone:pCM62; Vector Types:Bacterial Expression, Cre/Lox; Bacterial Resistance:Tetracycline

Comments: The 1.1-kb XbaI-EcoRI fragment from pJW168 (PMID 9858684) was cloned between the XbaI and EcoRI sites of pCM62 (Addgene plasmid 45826) to generate the tetracycline-resistance conferring cre expression plasmid. Used with allelic exchange vectors--Addgene plasmids 46012 or 46013--to generate unmarked mutant strains in a broad bacterial host range.

Plasmid Name: pCM157

Record Creation Time: 20220422T222236+0000

Record Last Update: 20260808T081718+0000

Ratings and Alerts

No rating or validation information has been found for pCM157.

No alerts have been found for pCM157.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Ren J, et al. (2018) Optimization of chemico-physical transformation methods for various bacterial species using diverse chemical compounds and nanomaterials. Journal of biotechnology, 288, 55.

Jang J, et al. (2018) Bioelectrochemical conversion of CO₂ to value added product formate using engineered *Methylobacterium extorquens*. Scientific reports, 8(1), 7211.