Resource Summary Report

Generated by RRID on Sep 3, 2026

pSAM_Cam

RRID:Addgene_91570
Type: Plasmid

Proper Citation

RRID:Addgene_91570

Plasmid Information

URL: http://www.addgene.org/91570

Proper Citation: RRID:Addgene_91570

Bacterial Resistance: Chloramphenicol and Kanamycin

Defining Citation: PMID:26060277

Vector Backbone Description: Backbone Marker:N/A; Backbone Size:4559; Vector Backbone:pSAM_Ec; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol and Kanamycin

Comments: Mariner himar1C9 transposase driven by lac promoter on an R6K gamma suicide plasmid. The transposon allows identification of fitness factors by Illumina sequencing. This transposon will randomly insert a kanamycin resistance cassette into genomic TA sites. Chloramphenicol resistance is contained on the plasmid backbone. For further background, see: Goodman, Andrew L., Meng Wu, and Jeffrey I. Gordon. “Identifying Microbial Fitness Determinants by Insertion Sequencing (INSeq) Using Genome-Wide Transposon Mutant Libraries.” Nature Protocols 6.12 (2011): 1969–1980. PMC. Web. 11 Apr. 2017. Wiles, Travis J. et al. “Combining Quantitative Genetic Footprinting and Trait Enrichment Analysis to Identify Fitness Determinants of a Bacterial Pathogen.” Ed. Danielle A. Garsin. PLoS Genetics 9.8 (2013): e1003716. PMC. Web. 11 Apr. 2017.

Plasmid Name: pSAM_Cam

Record Creation Time: 20220422T222619+0000

Record Last Update: 20260902T050517+0000

Ratings and Alerts

No rating or validation information has been found for pSAM_Cam.

No alerts have been found for pSAM_Cam.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Oo G, et al. (2025) Anti-plasmid defense in hypervirulent Klebsiella pneumoniae involves Type I-like and Type IV restriction modification systems. Emerging microbes & infections, 14(1), 2558877.