Resource Summary Report

Generated by RRID on Aug 22, 2026

pJAK184.tetR.PT5-3.dCas9

RRID:Addgene_232482
Type: Plasmid

Proper Citation

RRID:Addgene_232482

Plasmid Information

URL: http://www.addgene.org/232482

Proper Citation: RRID:Addgene_232482

Insert Name: Catalytically dead mutant of the Cas9 endonuclease from the Streptococcus pyogenes Type II CRISPR/Cas system

Organism: Streptococcus pyogenes

Bacterial Resistance: Chloramphenicol

Defining Citation: PMID:40293262

Vector Backbone Description: Backbone Size:9357; Vector Backbone:pJAK184; Vector Types:Bacterial Expression, CRISPR; Bacterial Resistance:Chloramphenicol

Comments: Plasmid contains up- and down-stream homologous regions to insert dCas9 under TetR control into the genome downstream of the bacitracin permease. The promoter driving dCas9 has been modified to provide sufficient induction on a single copy system without appreciable 'leakiness' when not induced.

Plasmid Name: pJAK184.tetR.PT5-3.dCas9

Record Creation Time: 20250423T053725+0000

Record Last Update: 20260815T083230+0000

Ratings and Alerts

No rating or validation information has been found for pJAK184.tetR.PT5-3.dCas9.

No alerts have been found for pJAK184.tetR.PT5-3.dCas9.

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 .

Chua M, et al. (2025) Plasmid sequences and availability of a two-plasmid system for CRISPRi knockdown of Clostridioides difficile genes without antibiotic selection. Microbiology resource announcements, 14(6), e0011625.