Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 2026

pKM444

RRID:Addgene_108319
Type: Plasmid

Proper Citation

RRID:Addgene_108319

Plasmid Information

URL: http://www.addgene.org/108319

Proper Citation: RRID:Addgene_108319

Insert Name: Che9C RecT

Organism: mycobacterial phage

Bacterial Resistance: Kanamycin

Defining Citation: PMID:30538179

Vector Backbone Description: Backbone Marker:Dirk Schnappinger and Sabine Ehrt; Vector Backbone:pUV15tet-O; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: The plasmid is induced with 500 ng/ml anhydrotetracycline to induce expression of RecT and Bxb1 Integrase for performing the ORTBIT protocol.

Plasmid Name: pKM444

Record Creation Time: 20220422T221525+0000

Record Last Update: 20260725T073440+0000

Ratings and Alerts

No rating or validation information has been found for pKM444.

No alerts have been found for pKM444.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Mukhamedova N, et al. (2025) Targeting the ARF6-dependent recycling pathway to alter lipid rafts and reduce inflammation. Journal of lipid research, 66(10), 100900.

Piller T, et al. (2024) Mycothione reductase as a potential target in the fight against Mycobacterium abscessus infections. mSphere, 9(1), e0066923.

Bates NA, et al. (2024) Reactive Oxygen Detoxification Contributes to Mycobacterium abscessus Antibiotic Survival. bioRxiv : the preprint server for biology.

Matern WM, et al. (2023) Functional whole genome screen of nutrient-starved Mycobacterium tuberculosis identifies genes involved in antibiotic tolerance. bioRxiv : the preprint server for biology.

Chen J, et al. (2023) Structure of an endogenous mycobacterial MCE lipid transporter. Research square.

Liang Y, et al. (2023) Structure of mycobacterial respiratory complex I. Proceedings of the National Academy of Sciences of the United States of America, 120(13), e2214949120.

Matern WM, et al. (2023) Functional Whole Genome Screen of Nutrient-Starved Mycobacterium tuberculosis Identifies Genes Involved in Rifampin Tolerance. Microorganisms, 11(9).

Saelens JW, et al. (2022) An ancestral mycobacterial effector promotes dissemination of infection. Cell, 185(24), 4507.

Filsinger GT, et al. (2021) Characterizing the portability of phage-encoded homologous recombination proteins. Nature chemical biology, 17(4), 394.