

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 30, 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.