

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

pKM402

RRID:Addgene_107770

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/107770>

Proper Citation: RRID:Addgene_107770

Insert Name: Che9C RecT

Organism: mycobacterial

Bacterial Resistance: Chloramphenicol and Kanamycin

Defining Citation: [PMID:25779316](#)

Vector Backbone Description: Backbone Marker:Sabine Ehrt and Dirk Schnappinger; Backbone Size:8026; Vector Backbone:pUV15tet-O; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol and Kanamycin

Comments: Induced with anhydrotetracycline, the plasmid can be used to introduce single base pair changes in the chromosomes of *M. smegmatis* and *M. tuberculosis*. For original description of methodology, see: van Kessel, J.C. & Hatfull, G.F. Efficient point mutagenesis in mycobacteria using single-stranded DNA recombineering: characterization of antimycobacterial drug targets. *Mol Microbiol* 67, 1094-1107 (2008).

Plasmid Name: pKM402

Record Creation Time: 20220422T221523+0000

Record Last Update: 20260808T080401+0000

Ratings and Alerts

No rating or validation information has been found for pKM402.

No alerts have been found for pKM402.

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 [nidm-terms](#) .

Poulton NC, et al. (2022) Mutations in rv0678 Confer Low-Level Resistance to Benzothiazinone DprE1 Inhibitors in Mycobacterium tuberculosis. Antimicrobial agents and chemotherapy, 66(9), e0090422.