

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

pKM464 (deletions)

RRID:Addgene_108322

Type: Plasmid

Proper Citation

RRID:Addgene_108322

Plasmid Information

URL: <http://www.addgene.org/108322>

Proper Citation: RRID:Addgene_108322

Insert Name: Bxb1 attB site

Organism: Synthetic

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:30538179](#)

Vector Backbone Description: Backbone Marker:Kenan Murphy; Vector Backbone:pKM435; Vector Types:ORBIT integration plasmid for creating knockouts of target genes; Bacterial Resistance:Chloramphenicol

Comments: ORBIT integrating plasmid for creating knockouts of target genes. Strain should be grown in 20 ug/ml chloramphenicol for isolation of plasmid. Yields with Qiagen miniprep kits are typically in the range from 60-90 ug/ml from 5 ml culture.

Plasmid Name: pKM464 (deletions)

Record Creation Time: 20220422T221525+0000

Record Last Update: 20260808T080407+0000

Ratings and Alerts

No rating or validation information has been found for pKM464 (deletions).

No alerts have been found for pKM464 (deletions).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

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

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.

Toniolo C, et al. (2023) Uptake-independent killing of macrophages by extracellular Mycobacterium tuberculosis aggregates. The EMBO journal, 42(9), e113490.

Chen J, et al. (2023) Structure of an endogenous mycobacterial MCE lipid transporter. Nature, 620(7973), 445.

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.