Resource Summary Report

Generated by kravitz2 on Aug 7, 2026

pKM496 (deletions) Zeo

RRID:Addgene_109301
Type: Plasmid

Proper Citation

RRID:Addgene_109301

Plasmid Information

URL: http://www.addgene.org/109301

Proper Citation: RRID:Addgene_109301

Insert Name: Bxb1 attB site

Organism: Synthetic

Bacterial Resistance: Chloramphenicol

Defining Citation: PMID:30538179

Vector Backbone Description: Backbone Size:3082; Vector Backbone:pKM464; Vector Types:ORBIT integrating plasmid; Bacterial Resistance:Chloramphenicol

Comments: ORBIT plasmid for creating deletion of mycobacterial target genes, using zeocin as a resistance marker. 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: pKM496 (deletions) Zeo

Record Creation Time: 20220422T221530+0000

Record Last Update: 20260801T075913+0000

Ratings and Alerts

No rating or validation information has been found for pKM496 (deletions) Zeo.

No alerts have been found for pKM496 (deletions) Zeo.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

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

Saunders SH, et al. (2024) ORBIT for E. coli: kilobase-scale oligonucleotide recombineering at high throughput and high efficiency. Nucleic acids research, 52(8), e43.

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.

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