Resource Summary Report

Generated by RRID on Aug 21, 2026

plRL58

RRID:Addgene_166886
Type: Plasmid

Proper Citation

RRID:Addgene_166886

Plasmid Information

URL: http://www.addgene.org/166886

Proper Citation: RRID:Addgene_166886

Bacterial Resistance: Kanamycin

Defining Citation: PMID:34297925

Vector Backbone Description: Backbone Marker:Rock Lab; Backbone Size:7670; Vector Backbone:plRL2; Vector Types:Bacterial Expression, CRISPR; Bacterial Resistance:Kanamycin

Plasmid Name: plRL58

Record Creation Time: 20220422T221939+0000

Record Last Update: 20260815T080939+0000

Ratings and Alerts

No rating or validation information has been found for plRL58.

No alerts have been found for plRL58.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Eckartt KA, et al. (2026) Transcription attenuation amplifies collateral vulnerabilities in rifampicin-resistant Mycobacterium tuberculosis. Nature microbiology, 11(6), 1696.

Singh PR, et al. (2025) Genes required for Mycobacterium tuberculosis to survive the transition from aerosol to pulmonary alveolar lining fluid and early infection in a model of transmission. bioRxiv : the preprint server for biology.

McGowen K, et al. (2025) Efflux pumps and membrane permeability contribute to intrinsic antibiotic resistance in Mycobacterium abscessus. PLoS pathogens, 21(4), e1013027.

Varshney A, et al. (2025) A trans-Translation Inhibitor is Potentiated by Zinc and Kills Mycobacterium tuberculosis and Nontuberculous Mycobacteria. ACS infectious diseases, 11(5), 1140.

Xu J, et al. (2025) Mycobacterium Transcriptional Factor BlaI Regulates Cell Division and Growth and Potentiates ??-Lactam Antibiotic Efficacy Against Mycobacteria. Microorganisms, 13(10).

McGowen K, et al. (2024) Efflux pumps and membrane permeability contribute to intrinsic antibiotic resistance in Mycobacterium abscessus. bioRxiv : the preprint server for biology.

Ju X, et al. (2024) Incomplete transcripts dominate the Mycobacterium tuberculosis transcriptome. Nature, 627(8003), 424.

Eckartt KA, et al. (2024) Compensatory evolution in NusG improves fitness of drug-resistant M. tuberculosis. Nature, 628(8006), 186.

Wong AI, et al. (2023) Cyclic AMP is a critical mediator of intrinsic drug resistance and fatty acid metabolism in M. tuberculosis. eLife, 12.

Li S, et al. (2022) CRISPRi chemical genetics and comparative genomics identify genes mediating drug potency in Mycobacterium tuberculosis. Nature microbiology, 7(6), 766.

d'Andrea FB, et al. (2022) The essential M. tuberculosis Clp protease is functionally asymmetric in vivo. Science advances, 8(18), eabn7943.