Resource Summary Report

Generated by dkNET on Jul 30, 2026

pCHERRY3

RRID:Addgene_24659
Type: Plasmid

Proper Citation

RRID:Addgene_24659

Plasmid Information

URL: http://www.addgene.org/24659

Proper Citation: RRID:Addgene_24659

Insert Name: mCherry

Organism: Synthetic

Bacterial Resistance: Hygromycin

Defining Citation: PMID:20352111

Vector Backbone Description: Backbone Size:5582; Vector Backbone:pSMT3-S; Vector Types:Bacterial Expression; Bacterial Resistance:Hygromycin

Plasmid Name: pCHERRY3

Record Creation Time: 20220422T222110+0000

Record Last Update: 20260725T074451+0000

Ratings and Alerts

No rating or validation information has been found for pCHERRY3.

No alerts have been found for pCHERRY3.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Liang L, et al. (2025) A chlorinated diketopiperazine antibiotic targets Mycobacterium tuberculosis. Antimicrobial agents and chemotherapy, 69(9), e0036925.

Fleeharty MS, et al. (2025) Survival and spread of engineered Mycobacterium smegmatis and associated mycobacteriophage in soil microcosms. Applied and environmental microbiology, 91(6), e0021225.

Neo DM, et al. (2024) A dual-plasmid CRISPR/Cas9-based method for rapid and efficient genetic disruption in Mycobacterium abscessus. Journal of bacteriology, 206(3), e0033523.

Shallom SJ, et al. (2023) Evolution of Mycobacterium abscessus in the human lung: Cumulative mutations and genomic rearrangement of porin genes in patient isolates. Virulence, 14(1), 2215602.

Baatjies L, et al. (2023) Investigating Mycobacterium tuberculosis sufR (rv1460) in vitro and ex vivo expression and immunogenicity. PloS one, 18(6), e0286965.

Belardinelli JM, et al. (2022) Therapeutic efficacy of antimalarial drugs targeting DosRS signaling in Mycobacterium abscessus. Science translational medicine, 14(633), eabj3860.

Belardinelli JM, et al. (2021) Unique Features of Mycobacterium abscessus Biofilms Formed in Synthetic Cystic Fibrosis Medium. Frontiers in microbiology, 12, 743126.

Aiewsakun P, et al. (2021) Transcriptional response to the host cell environment of a multidrug-resistant Mycobacterium tuberculosis clonal outbreak Beijing strain reveals its pathogenic features. Scientific reports, 11(1), 3199.

Laopanupong T, et al. (2021) Lysosome repositioning as an autophagy escape mechanism by Mycobacterium tuberculosis Beijing strain. Scientific reports, 11(1), 4342.

Campo M, et al. (2021) HDAC3 inhibitor RGFP966 controls bacterial growth and modulates macrophage signaling during Mycobacterium tuberculosis infection. Tuberculosis (Edinburgh, Scotland), 127, 102062.

Shahbaaz M, et al. (2019) Structure based identification of novel inhibitors against ATP synthase of Mycobacterium tuberculosis: A combined in silico and in vitro study. International journal of biological macromolecules, 135, 582.

Jaisinghani N, et al. (2018) Necrosis Driven Triglyceride Synthesis Primes Macrophages for Inflammation During Mycobacterium tuberculosis Infection. Frontiers in immunology, 9, 1490.

Nandy A, et al. (2018) Adipocyte Model of Mycobacterium tuberculosis Infection Reveals Differential Availability of Iron to Bacilli in the Lipid-Rich Caseous Environment. Infection and immunity, 86(6).

Yeware A, et al. (2018) Novel red fluorescence protein based microplate assay for drug screening against dormant Mycobacterium tuberculosis by using paraffin. Tuberculosis (Edinburgh, Scotland), 110, 15.

Kapp E, et al. (2017) Versatility of 7-Substituted Coumarin Molecules as Antimycobacterial Agents, Neuronal Enzyme Inhibitors and Neuroprotective Agents. Molecules (Basel, Switzerland), 22(10).

Khara JS, et al. (2016) Unnatural amino acid analogues of membrane-active helical peptides with anti-mycobacterial activity and improved stability. The Journal of antimicrobial chemotherapy, 71(8), 2181.

Jeoung E, et al. (2015) Fabrication of functional nanofibers through post-nanoparticle functionalization. Macromolecular rapid communications, 36(7), 678.

Nagarajan SN, et al. (2015) Protein kinase A (PknA) of Mycobacterium tuberculosis is independently activated and is critical for growth in vitro and survival of the pathogen in the host. The Journal of biological chemistry, 290(15), 9626.

Gerstenmaier L, et al. (2015) The autophagic machinery ensures nonlytic transmission of mycobacteria. Proceedings of the National Academy of Sciences of the United States of America, 112(7), E687.

Kolonko M, et al. (2014) WASH-driven actin polymerization is required for efficient mycobacterial phagosome maturation arrest. Cellular microbiology, 16(2), 232.