

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pMV306G13+Lux

RRID:Addgene_26160

Type: Plasmid

Proper Citation

RRID:Addgene_26160

Plasmid Information

URL: <http://www.addgene.org/26160>

Proper Citation: RRID:Addgene_26160

Insert Name: G13 promoter + Bacterial luciferase operon

Organism: Mycobacterium marinum + Photorhabdus luminescens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:20520722](#)

Vector Backbone Description: Backbone Size:4373; Vector Backbone:pMV306hsp; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: The sequence of the Lux operon is theoretical. As such, there are a few differences between Addgene sequence and full plasmid sequence. These differences do not affect plasmid function. Qazi, S.N., et al., agr expression precedes escape of internalized Staphylococcus aureus from the host endosome. Infect Immun, 2001. 69(11): p. 7074-82.

Plasmid Name: pMV306G13+Lux

Relevant Mutation: It contains a gram-positive enhanced translation signal in front of luxA, luxC and luxE

Record Creation Time: 20220422T222117+0000

Record Last Update: 20260725T074505+0000

Ratings and Alerts

No rating or validation information has been found for pMV306G13+Lux.

No alerts have been found for pMV306G13+Lux.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Suzuki Y, et al. (2022) An Autobioluminescent Method for Evaluating In Vitro and In Vivo Growth of Rhodococcus equi. Microbiology spectrum, 10(3), e0075822.

Marcelo GA, et al. (2022) Validation of a Standard Luminescence Method for the Fast Determination of the Antimicrobial Activity of Nanoparticles in Escherichia coli. Nanomaterials (Basel, Switzerland), 12(13).

Suzuki Y, et al. (2022) Rhodococcus equiU19 strain harbors a nonmobilizable virulence plasmid. Microbiology and immunology, 66(6), 307.