

Resource Summary Report

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

[pML1357](#)

RRID:Addgene_32378

Type: Plasmid

Proper Citation

RRID:Addgene_32378

Plasmid Information

URL: <http://www.addgene.org/32378>

Proper Citation: RRID:Addgene_32378

Insert Name: int Giles; gfpm2+; xylEm; ttsbiA, ttsbiB

Bacterial Resistance: Hygromycin

Defining Citation: [PMID:20692326](#)

Vector Backbone Description: Vector Backbone:pML603; Vector Types:bacterial integration vector; Bacterial Resistance:Hygromycin

Comments: This is an improved Giles integration vector for stable gene integration in mycobacteria with codon optimized gfp and xylE as reporter genes; terminators to protect expression cassette against transcriptional interference.

Plasmid Name: pML1357

Record Creation Time: 20220422T222140+0000

Record Last Update: 20260808T081535+0000

Ratings and Alerts

No rating or validation information has been found for pML1357.

No alerts have been found for pML1357.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

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.

Wang H, et al. (2019) An essential bifunctional enzyme in Mycobacterium tuberculosis for itaconate dissimilation and leucine catabolism. Proceedings of the National Academy of Sciences of the United States of America, 116(32), 15907.