

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

[pKM343](#)

RRID:Addgene_71487

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/71487>

Proper Citation: RRID:Addgene_71487

Insert Name: loxP-hyg-cat-loxP

Organism: Other

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:25779316](#)

Vector Backbone Description: Backbone Marker:Jeffery Murry - Eric Rubin Lab; Vector Backbone:pJM1; Vector Types:Bacterial Expression, Source of loxP-hyg-cat- loxP for PCR amplification.; Bacterial Resistance:Chloramphenicol

Comments: This vector contains a hyg-cat cassette, flanked by loxP sites, that can be used for the construction of recombineeng substrates for M. smegmatis or M. tuberculosis. It contains a 1 bp change (relative to starting plasmid pJM1) at position 2008 (G to C) that eliminate a potential stop codon that could interfere with expression of downstream functions following excision of the cassette from the chromosome by Cre recombinase. The hygromycin resistance gene encodes M13I and I111T variants compared to the NCBI reference [ADL66925.1]. These variants should not interfere with function.

Plasmid Name: pKM343

Record Creation Time: 20220422T222440+0000

Record Last Update: 20260815T081911+0000

Ratings and Alerts

No rating or validation information has been found for pKM343.

No alerts have been found for pKM343.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.