

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

[pKM342](#)

RRID:Addgene_71486

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/71486>

Proper Citation: RRID:Addgene_71486

Insert Name: loxP-hyg-loxP cassette

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25779316](#)

Vector Backbone Description: Backbone Marker:Kenan Murphy; Backbone Size:2741; Vector Backbone:pKM328; Vector Types:Bacterial Expression, Source of loxP-hyg-loxP for PCR amplification.; Bacterial Resistance:Ampicillin

Comments: The floxed hyg cassette is flanked by AscI sites, which can be recovered by restriction digestion for use in the construction of recombineering substrates, or amplified by PCR using the following targeting sequences: CGCTCTAGAACTAGTGGATCC
ATGCCTGCAGGTCGACTC

Plasmid Name: pKM342

Record Creation Time: 20220422T222440+0000

Record Last Update: 20260815T081911+0000

Ratings and Alerts

No rating or validation information has been found for pKM342.

No alerts have been found for pKM342.

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 [RRID](#) .

Hayes MI, et al. (2025) Mycobacteria trehalose dimycolate interactions with host Mincle remodel blood-brain barrier junctions for brain invasion. Cell reports, 44(12), 116661.

Fountain AJ, et al. (2025) Verapamil and its metabolite norverapamil inhibit the Mycobacterium tuberculosis MmpS5L5 efflux pump to increase bedaquiline activity. Proceedings of the National Academy of Sciences of the United States of America, 122(16), e2426827122.