

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

phCMV-coGALVenv-C4070A

RRID:Addgene_172217

Type: Plasmid

Proper Citation

RRID:Addgene_172217

Plasmid Information

URL: <http://www.addgene.org/172217>

Proper Citation: RRID:Addgene_172217

Insert Name: Envelope protein of Gibbon Ape Leukemia Virus (codon-optimized version)

Organism: Gibbon Ape Leukemia Virus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34452336](#)

Vector Backbone Description: Backbone Size:4816; Vector Backbone:phCMV; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that significantly lower amounts of this codon optimized plasmid are required for efficient packaging. Depending on the vector type and protocol used so far, optimal titers are achieved with 8 to 30 times less plasmid compared to non-codon optimized GALV env. We suggest to start with 0.02 µg per 1x10⁶ 293T packaging cells (resulting in about 0.1 µg phCMV-coGALVenv-C4070A plasmid per 10 cm cell culture dish). Full details are given in the publication.

Plasmid Name: phCMV-coGALVenv-C4070A

Relevant Mutation: Carries C-terminus of amphotropic MLV strain 4070A to increase packaging efficiency

Record Creation Time: 20220422T221959+0000

Record Last Update: 20260808T081230+0000

Ratings and Alerts

No rating or validation information has been found for phCMV-coGALVenv-C4070A.

No alerts have been found for phCMV-coGALVenv-C4070A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.