

Resource Summary Report

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

pGMGUS

RRID:Addgene_115678

Type: Plasmid

Proper Citation

RRID:Addgene_115678

Plasmid Information

URL: <http://www.addgene.org/115678>

Proper Citation: RRID:Addgene_115678

Insert Name: gusA, aac(3)IV, tsr

Organism: Streptomyces

Bacterial Resistance: Apramycin

Vector Backbone Description: Vector Backbone:pSG5; Vector Types:Gene knock out; Bacterial Resistance:Apramycin

Comments: Thermosensitive replication (37??C) in Streptomyces, Detection of single/double cross over by X-gluc colour reaction , aac(3)IV

Plasmid Name: pGMGUS

Record Creation Time: 20220422T221606+0000

Record Last Update: 20260725T073551+0000

Ratings and Alerts

No rating or validation information has been found for pGMGUS.

No alerts have been found for pGMGUS.

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 [NIF](#) .

Wang ZC, et al. (2025) A CRISPR-Cas9 system for knock-out and knock-in of high molecular weight DNA enables module-swapping of the pikromycin synthase in its native host. *Microbial cell factories*, 24(1), 125.

Muth G, et al. (2018) The pSG5-based thermosensitive vector family for genome editing and gene expression in actinomycetes. *Applied microbiology and biotechnology*, 102(21), 9067.