

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pC-G418-YR

RRID:Addgene_61767

Type: Plasmid

Proper Citation

RRID:Addgene_61767

Plasmid Information

URL: <http://www.addgene.org/61767>

Proper Citation: RRID:Addgene_61767

Insert Name: nptII gene

Organism: E. coli

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:26092796](#)

Vector Backbone Description: Backbone Marker:CAMBIA; Backbone Size:6812; Vector Backbone:pCAMBIA-0380; Vector Types:Ternary vector for Agrobacterium mediated transformation of fungi; Bacterial Resistance:Kanamycin

Comments: Jason Rudd, (Rothamsted research UK) provided Agrobacterium tumefaciens vector pCGEN (pCAMBIA-0380 backbone with nptII gene under Neurospora crassa gpd promoter). NptII (neomycin phosphotransferase II) gene from pCGEN was recombined into pC-HYG-YR (Addgene plasmid# 61765) through yeast recombineering to replace hygromycin gene and create pC-G418-YR. Restriction sites EcoRI and HindIII can be used to linearise the vector inside left (LB) and right (RB) borders of the TDNA. Note that the trpC promoter and nptII sequences are present within the EcoRI and HindII cloning sites. See Supplementary Fig. S1. of associated publication for schematic of single step assembly of gene deletion ternary vectors using yeast recombinational cloning. Please note that the Addgene verified sequence identified a transposase in the backbone (7145-8353 bp).

Plasmid Name: pC-G418-YR

Record Creation Time: 20220422T222354+0000

Record Last Update: 20260815T081746+0000

Ratings and Alerts

No rating or validation information has been found for pC-G418-YR.

No alerts have been found for pC-G418-YR.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Wieder C, et al. (2025) Biosynthesis of the Paecilomyces marquandii conidial pigment saintopin. Fungal biology and biotechnology, 12(1), 11.