

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

[pGWB501](#)

RRID:Addgene_74843

Type: Plasmid

Proper Citation

RRID:Addgene_74843

Plasmid Information

URL: <http://www.addgene.org/74843>

Proper Citation: RRID:Addgene_74843

Bacterial Resistance: Chloramphenicol and Spectinomycin

Defining Citation: [PMID:17690442](#)

Vector Backbone Description: Backbone Marker:Hajdukiewicz P., Svab Z. and Maliga P.; Backbone Size:8500; Vector Backbone:pPZP221; Vector Types:Plant Expression; Bacterial Resistance:Chloramphenicol and Spectinomycin

Comments: Please note that pUC primers are not recommended for sequencing due to the inverted repeat of the Tnos sequence which forms a secondary structure and prevents sequencing reactions. If you need to sequence or PCR the Tnos region, digestion by AscI helps separates two Tnos sequences and prevents the secondary structure.

Plasmid Name: pGWB501

Record Creation Time: 20220422T222455+0000

Record Last Update: 20260725T075126+0000

Ratings and Alerts

No rating or validation information has been found for pGWB501.

No alerts have been found for pGWB501.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Takagi H, et al. (2025) Florigen-producing cells express FPF1-LIKE PROTEIN 1 to accelerate flowering and stem growth in Arabidopsis. *Developmental cell*, 60(13), 1822.

Crook AD, et al. (2020) BAM1/2 receptor kinase signaling drives CLE peptide-mediated formative cell divisions in Arabidopsis roots. *Proceedings of the National Academy of Sciences of the United States of America*, 117(51), 32750.

Medina-Puche L, et al. (2020) A Defense Pathway Linking Plasma Membrane and Chloroplasts and Co-opted by Pathogens. *Cell*, 182(5), 1109.