

Resource Summary Report

Generated by [RRID](#) on Aug 17, 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 separate two Tnos sequences and prevents the secondary structure.

Plasmid Name: pGWB501

Record Creation Time: 20220422T222455+0000

Record Last Update: 20260815T081940+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 [RRID](#) .

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.