

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pAG426GPD-ccdB

RRID:Addgene_14156

Type: Plasmid

Proper Citation

RRID:Addgene_14156

Plasmid Information

URL: <http://www.addgene.org/14156>

Proper Citation: RRID:Addgene_14156

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:17583893](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:pRS426; Vector Types:Yeast Expression, Gateway Cloning; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: Type of plasmid: 2-micron. This plasmid contains the Gateway technology from Invitrogen; Invitrogen requires purchasing of Gateway Clonase for carrying out the Gateway recombinational cloning reaction <http://www.invitrogen.com> Please note that the full plasmid sequence is provided as a reference only, and may not match the exact sequence of the plasmid.

Plasmid Name: pAG426GPD-ccdB

Record Creation Time: 20220422T221815+0000

Record Last Update: 20260815T080649+0000

Ratings and Alerts

No rating or validation information has been found for pAG426GPD-ccdB.

No alerts have been found for pAG426GPD-ccdB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Hartenstein M, et al. (2026) Dodder seedlings benefit from apoplastic nutrition by inducing SWEET15-mediated unloading of sucrose from the host's phloem. *The New phytologist*.

Raj K, et al. (2026) Lotus japonicus VIH2 is an inositol pyrophosphate synthase that regulates arbuscular mycorrhiza. *Science advances*, 12(21), eaec5607.

Sabelleck B, et al. (2025) Thiamine is a vitamin for plant-pathogenic powdery mildew fungi. *iScience*, 28(8), 113123.

Nguyen NT, et al. (2022) Iron Availability within the Leaf Vasculature Determines the Magnitude of Iron Deficiency Responses in Source and Sink Tissues in Arabidopsis. *Plant & cell physiology*, 63(6), 829.

Hughes CE, et al. (2020) Cysteine Toxicity Drives Age-Related Mitochondrial Decline by Altering Iron Homeostasis. *Cell*, 180(2), 296.

Li X, et al. (2019) Complex ATP7B mutation patterns in Wilson disease and evaluation of a yeast model for functional analysis of variants. *Human mutation*, 40(5), 552.

Dong L, et al. (2018) Co-expression of squalene epoxidases with triterpene cyclases boosts production of triterpenoids in plants and yeast. *Metabolic engineering*, 49, 1.

Wang C, et al. (2012) Functional characterization of the rice SPX-MFS family reveals a key role of OsSPX-MFS1 in controlling phosphate homeostasis in leaves. *The New phytologist*, 196(1), 139.