

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

pAG423GPD-ccdB

RRID:Addgene_14150

Type: Plasmid

Proper Citation

RRID:Addgene_14150

Plasmid Information

URL: <http://www.addgene.org/14150>

Proper Citation: RRID:Addgene_14150

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:17583893](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:pRS423; 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: pAG423GPD-ccdB

Record Creation Time: 20220422T221815+0000

Record Last Update: 20260815T080649+0000

Ratings and Alerts

No rating or validation information has been found for pAG423GPD-ccdB.

No alerts have been found for pAG423GPD-ccdB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Hofstadter WA, et al. (2024) Infection-induced peripheral mitochondria fission drives ER encapsulations and inter-mitochondria contacts that rescue bioenergetics. *Nature communications*, 15(1), 7352.

Qiu J, et al. (2020) Phosphorylation influences water and ion channel function of AtPIP2;1. *Plant, cell & environment*, 43(10), 2428.

Pollier J, et al. (2019) A widespread alternative squalene epoxidase participates in eukaryote steroid biosynthesis. *Nature microbiology*, 4(2), 226.

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.

C??rdenas PD, et al. (2016) GAME9 regulates the biosynthesis of steroidal alkaloids and upstream isoprenoids in the plant mevalonate pathway. *Nature communications*, 7, 10654.

Koopman F, et al. (2012) De novo production of the flavonoid naringenin in engineered *Saccharomyces cerevisiae*. *Microbial cell factories*, 11, 155.