

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

pAG416GPD-ccdB

RRID:Addgene_14148

Type: Plasmid

Proper Citation

RRID:Addgene_14148

Plasmid Information

URL: <http://www.addgene.org/14148>

Proper Citation: RRID:Addgene_14148

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:17583893](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:pRS416; Vector Types:Yeast Expression, Gateway Cloning; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: Type of plasmid: CEN. 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: pAG416GPD-ccdB

Record Creation Time: 20220422T221815+0000

Record Last Update: 20260815T080649+0000

Ratings and Alerts

No rating or validation information has been found for pAG416GPD-ccdB.

No alerts have been found for pAG416GPD-ccdB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Ejike JO, et al. (2024) A Monochromatically Excitable Green-Red Dual-Fluorophore Fusion Incorporating a New Large Stokes Shift Fluorescent Protein. *Biochemistry*, 63(1), 171.

Lin JD, et al. (2023) Functional diversification despite structural congruence in the HipBST toxin-antitoxin system of *Legionella pneumophila*. *mBio*, 14(5), e0151023.

Szot JO, et al. (2021) New cases that expand the genotypic and phenotypic spectrum of Congenital NAD Deficiency Disorder. *Human mutation*, 42(7), 862.

Yamasaki T, et al. (2020) Uncoupling the hydrolysis of lipid-linked oligosaccharide from the oligosaccharyl transfer reaction by point mutations in yeast oligosaccharyltransferase. *The Journal of biological chemistry*, 295(47), 16072.

Paczia N, et al. (2019) 3-Phosphoglycerate Transhydrogenation Instead of Dehydrogenation Alleviates the Redox State Dependency of Yeast de Novo L-Serine Synthesis. *Biochemistry*, 58(4), 259.

Svoboda M, et al. (2019) The yeast proteases Ddi1 and Wss1 are both involved in the DNA replication stress response. *DNA repair*, 80, 45.

Martínez-Noël G, et al. (2018) Network Analysis of UBE3A/E6AP-Associated Proteins Provides Connections to Several Distinct Cellular Processes. *Journal of molecular biology*, 430(7), 1024.

Becker-Kettern J, et al. (2018) NAD(P)HX repair deficiency causes central metabolic perturbations in yeast and human cells. *The FEBS journal*, 285(18), 3376.

Becker-Kettern J, et al. (2016) *Saccharomyces cerevisiae* Forms D-2-Hydroxyglutarate and Couples Its Degradation to D-Lactate Formation via a Cytosolic Transhydrogenase. *The Journal of biological chemistry*, 291(12), 6036.

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