

Resource Summary Report

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

pAG415GPD-ccdB

RRID:Addgene_14146

Type: Plasmid

Proper Citation

RRID:Addgene_14146

Plasmid Information

URL: <http://www.addgene.org/14146>

Proper Citation: RRID:Addgene_14146

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:17583893](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:pRS415; 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: pAG415GPD-ccdB

Record Creation Time: 20220422T221815+0000

Record Last Update: 20260815T080649+0000

Ratings and Alerts

No rating or validation information has been found for pAG415GPD-ccdB.

No alerts have been found for pAG415GPD-ccdB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Caubrière D, et al. (2025) Fusion of a bacterial cysteine desulfurase to redox-sensitive green fluorescent protein produces a highly sensitive cysteine biosensor for monitoring changes in intracellular cysteine. *Redox biology*, 85, 103785.

Gersing S, et al. (2023) A comprehensive map of human glucokinase variant activity. *Genome biology*, 24(1), 97.

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

Knighton LE, et al. (2019) Analyzing the Functionality of Non-native Hsp70 Proteins in *Saccharomyces cerevisiae*. *Bio-protocol*, 9(19).

Simms CL, et al. (2019) Ribosome Collisions Result in +1 Frameshifting in the Absence of No-Go Decay. *Cell reports*, 28(7), 1679.

Shattuck JE, et al. (2019) The prion-like protein kinase Sky1 is required for efficient stress granule disassembly. *Nature communications*, 10(1), 3614.

Moseler A, et al. (2015) The mitochondrial monothiol glutaredoxin S15 is essential for iron-sulfur protein maturation in *Arabidopsis thaliana*. *Proceedings of the National Academy of Sciences of the United States of America*, 112(44), 13735.