

Resource Summary Report

Generated by [dkNET](#) on Aug 31, 2026

pAG306GPD-ccdB

RRID:Addgene_14140

Type: Plasmid

Proper Citation

RRID:Addgene_14140

Plasmid Information

URL: <http://www.addgene.org/14140>

Proper Citation: RRID:Addgene_14140

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:17583893](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:pRS306; Vector Types:Yeast Expression, Gateway Cloning; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: Type of plasmid: integrating. 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: pAG306GPD-ccdB

Record Creation Time: 20220422T221815+0000

Record Last Update: 20260829T075642+0000

Ratings and Alerts

No rating or validation information has been found for pAG306GPD-ccdB.

No alerts have been found for pAG306GPD-ccdB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Cupo RR, et al. (2026) The mitochondrial intermembrane space nuclease Nuc1 (endonuclease G) prevents mitophagy-mediated mtDNA escape in yeast. *Current biology : CB*, 36(4), 912.

Khandwala CB, et al. (2025) Direct ionic stress sensing and mitigation by the transcription factor NFAT5. *Science advances*, 11(8), eadu3194.

Khandwala CB, et al. (2023) Direct ionic stress sensing and mitigation by the transcription factor NFAT5. *bioRxiv : the preprint server for biology*.

Hughes AL, et al. (2012) An early age increase in vacuolar pH limits mitochondrial function and lifespan in yeast. *Nature*, 492(7428), 261.

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