

Resource Summary Report

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

pAG415GAL-ccdB

RRID:Addgene_14145

Type: Plasmid

Proper Citation

RRID:Addgene_14145

Plasmid Information

URL: <http://www.addgene.org/14145>

Proper Citation: RRID:Addgene_14145

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: pAG415GAL-ccdB

Record Creation Time: 20220422T221815+0000

Record Last Update: 20260815T080649+0000

Ratings and Alerts

No rating or validation information has been found for pAG415GAL-ccdB.

No alerts have been found for pAG415GAL-ccdB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Park S, et al. (2025) An adenine model of inborn metabolism errors alters TDP-43 aggregation and reduces its toxicity in yeast revealing insights into protein misfolding diseases. *Microbial cell (Graz, Austria)*, 12, 119.

Hong SJ, et al. (2025) A multiplex method for rapidly identifying viral protease inhibitors. *Molecular systems biology*, 21(2), 158.

Park S, et al. (2024) Expression of Wild-Type and Mutant Human TDP-43 in Yeast Inhibits TOROID (TORC1 Organized in Inhibited Domain) Formation and Autophagy Proportionally to the Levels of TDP-43 Toxicity. *International journal of molecular sciences*, 25(11).

Park SK, et al. (2022) TDP-43 Toxicity in Yeast Is Associated with a Reduction in Autophagy, and Deletions of TIP41 and PBP1 Counteract These Effects. *Viruses*, 14(10).

Istiandari P, et al. (2021) Comparative Analysis of NADPH-Cytochrome P450 Reductases From Legumes for Heterologous Production of Triterpenoids in Transgenic *Saccharomyces cerevisiae*. *Frontiers in plant science*, 12, 762546.

Bicalho KU, et al. (2019) CYP712K4 Catalyzes the C-29 Oxidation of Friedelin in the *Maytenus ilicifolia* Quinone Methide Triterpenoid Biosynthesis Pathway. *Plant & cell physiology*, 60(11), 2510.

Moses T, et al. (2015) Unraveling the triterpenoid saponin biosynthesis of the African shrub *Maesa lanceolata*. *Molecular plant*, 8(1), 122.

Moses T, et al. (2015) OSC2 and CYP716A14v2 catalyze the biosynthesis of triterpenoids for the cuticle of aerial organs of *Artemisia annua*. *The Plant cell*, 27(1), 286.

Eyler DE, et al. (2013) Eukaryotic release factor 3 is required for multiple turnovers of peptide release catalysis by eukaryotic release factor 1. *The Journal of biological chemistry*, 288(41), 29530.