

Resource Summary Report

Generated by [dkNET](#) on Aug 25, 2026

pRS300

RRID:Addgene_22846

Type: Plasmid

Proper Citation

RRID:Addgene_22846

Plasmid Information

URL: <http://www.addgene.org/22846>

Proper Citation: RRID:Addgene_22846

Insert Name: MIR319a

Organism: Arabidopsis thaliana

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16531494](#)

Vector Backbone Description: Backbone Size:2964; Vector Backbone:pBluescriptSK+; Vector Types:Plant Expression, RNAi, Plant gene inactivation; Bacterial Resistance:Ampicillin

Comments: See <http://wmd3.weigelworld.org/> for more information

Plasmid Name: pRS300

Record Creation Time: 20220422T222101+0000

Record Last Update: 20260815T081215+0000

Ratings and Alerts

No rating or validation information has been found for pRS300.

No alerts have been found for pRS300.

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](#) .

Park J, et al. (2025) Involvement of MID1-COMPLEMENTING ACTIVITY 1 encoding a mechanosensitive ion channel in prehaustorium development of the stem parasitic plant *Cuscuta campestris*. *Plant & cell physiology*, 66(3), 400.

Nagae TT, et al. (2022) Quantification of Species-Preferential Micropylar Chemoattraction in *Arabidopsis* by Fluorescein Diacetate Staining of Pollen Tubes. *International journal of molecular sciences*, 23(5).

Kuo YW, et al. (2022) Artificial microRNA guide strand selection from duplexes with no mismatches shows a purine-rich preference for virus- and non-virus-based expression vectors in plants. *Plant biotechnology journal*, 20(6), 1069.

Sultana S, et al. (2021) Epidermal cell-patterning genes of the stem parasitic plant *Cuscuta campestris* are involved in the development of holdfasts. *Plant biotechnology (Tokyo, Japan)*, 38(1), 47.

Kataya ARA, et al. (2017) PLATINUM SENSITIVE 2 LIKE impacts growth, root morphology, seed set, and stress responses. *PloS one*, 12(7), e0180478.

Tian B, et al. (2016) Host-Derived Artificial MicroRNA as an Alternative Method to Improve Soybean Resistance to Soybean Cyst Nematode. *Genes*, 7(12).

Schrager-Lavelle A, et al. (2016) Tomato phyE Is Required for Shade Avoidance in the Absence of phyB1 and phyB2. *Frontiers in plant science*, 7, 1275.

Vandenbussche F, et al. (2014) Photoreceptor-mediated bending towards UV-B in *Arabidopsis*. *Molecular plant*, 7(6), 1041.

Jover-Gil S, et al. (2014) Multi-gene silencing in *Arabidopsis*: a collection of artificial microRNAs targeting groups of paralogs encoding transcription factors. *The Plant journal : for cell and molecular biology*, 80(1), 149.

Tang Y, et al. (2013) Virus-induced gene silencing using artificial miRNAs in *Nicotiana benthamiana*. *Methods in molecular biology (Clifton, N.J.)*, 975, 99.