

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[pICH41780](#)

RRID:Addgene_48019

Type: Plasmid

Proper Citation

RRID:Addgene_48019

Plasmid Information

URL: <http://www.addgene.org/48019>

Proper Citation: RRID:Addgene_48019

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:21364738](#)

Vector Backbone Description: Backbone Marker:self-made; Backbone Size:3293;
Vector Backbone:pUC19-derived; Vector Types:Unspecified; Bacterial
Resistance:Spectinomycin

Comments: level 2 end linker

Plasmid Name: pICH41780

Record Creation Time: 20220422T222247+0000

Record Last Update: 20260815T081546+0000

Ratings and Alerts

No rating or validation information has been found for pICH41780.

No alerts have been found for pICH41780.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Perk EA, et al. (2024) CRISPR-Cas9 Protocol for Efficient Gene Knockout and Transgene-free Plant Generation. *Bio-protocol*, 14(11), e5012.

Kerwin RE, et al. (2024) Tomato root specialized metabolites evolved through gene duplication and regulatory divergence within a biosynthetic gene cluster. *Science advances*, 10(17), eadn3991.

Giacomelli L, et al. (2023) Simultaneous editing of two DMR6 genes in grapevine results in reduced susceptibility to downy mildew. *Frontiers in plant science*, 14, 1242240.

Lawrenson T, et al. (2023) Efficient Targeted Mutagenesis in Brassica Crops Using CRISPR/Cas Systems. *Methods in molecular biology* (Clifton, N.J.), 2653, 253.

Son GH, et al. (2021) Conserved Opposite Functions in Plant Resistance to Biotrophic and Necrotrophic Pathogens of the Immune Regulator SRFR1. *International journal of molecular sciences*, 22(12).

Kourelis J, et al. (2020) Evolution of a guarded decoy protease and its receptor in solanaceous plants. *Nature communications*, 11(1), 4393.

Fan P, et al. (2020) Evolution of a plant gene cluster in Solanaceae and emergence of metabolic diversity. *eLife*, 9.

Israeli A, et al. (2019) Multiple Auxin-Response Regulators Enable Stability and Variability in Leaf Development. *Current biology : CB*, 29(11), 1746.

Leong BJ, et al. (2019) Evolution of metabolic novelty: A trichome-expressed invertase creates specialized metabolic diversity in wild tomato. *Science advances*, 5(4), eaaw3754.

Bollier N, et al. (2018) At-MINI ZINC FINGER2 and SI-INHIBITOR OF MERISTEM ACTIVITY, a Conserved Missing Link in the Regulation of Floral Meristem Termination in Arabidopsis and Tomato. *The Plant cell*, 30(1), 83.

Wu S, et al. (2018) A common genetic mechanism underlies morphological diversity in fruits and other plant organs. *Nature communications*, 9(1), 4734.

Brooks C, et al. (2014) Efficient gene editing in tomato in the first generation using the clustered regularly interspaced short palindromic repeats/CRISPR-associated9 system. *Plant physiology*, 166(3), 1292.