

Resource Summary Report

Generated by [RRID](#) on Aug 17, 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.