

Resource Summary Report

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

[pICH47732](#)

RRID:Addgene_48000

Type: Plasmid

Proper Citation

RRID:Addgene_48000

Plasmid Information

URL: <http://www.addgene.org/48000>

Proper Citation: RRID:Addgene_48000

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21364738](#)

Vector Backbone Description: Backbone Marker:self-made; Backbone Size:4356; Vector Backbone:derived from pBIN19 and pUC19; Vector Types:Unspecified; Bacterial Resistance:Ampicillin

Comments: level 1 cloning vector, replicates in E.coli and Agrobacterium, binary vector for Agrobacterium T-DNA delivery to plant cells

Plasmid Name: pICH47732

Record Creation Time: 20220422T222246+0000

Record Last Update: 20260815T081546+0000

Ratings and Alerts

No rating or validation information has been found for pICH47732.

No alerts have been found for pICH47732.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Nyikó T, et al. (2025) INCREASED DNA METHYLATION 3 forms a potential chromatin remodelling complex with HAIRPLUS to regulate DNA methylation and trichome development in tomato. *The Plant journal : for cell and molecular biology*, 121(6), e70085.

Golubova D, et al. (2025) Biosynthesis and bioactivity of anti-inflammatory triterpenoids in *Calendula officinalis*. *Nature communications*, 16(1), 6941.

Kunta S, et al. (2025) Species-specific PHYTOCHROME-INTERACTING FACTOR utilization in the plant morphogenetic response to environmental stimuli. *The Plant cell*, 37(5).

Flores-Fernández CN, et al. (2025) UniClo: scarless hierarchical DNA assembly without sequence constraint. *Nucleic acids research*, 53(12).

Miller CN, et al. (2025) A single-nuclei transcriptome census of the Arabidopsis maturing root identifies that MYB67 controls phellem cell maturation. *Developmental cell*, 60(9), 1377.

Coates RJ, et al. (2024) Incorporation of regulatory DNA elements within a viral vector improves recombinant protein expression in plants. *Scientific reports*, 14(1), 28865.

Adachi H, et al. (2023) An atypical NLR protein modulates the NRC immune receptor network in *Nicotiana benthamiana*. *PLoS genetics*, 19(1), e1010500.

Nourozi M, et al. (2023) CRISPR/Cas StNRL1 gene knockout increases resistance to late blight and susceptibility to early blight in potato. *Frontiers in plant science*, 14, 1278127.

Dinh HX, et al. (2022) The barley leaf rust resistance gene Rph3 encodes a predicted membrane protein and is induced upon infection by avirulent pathotypes of *Puccinia hordei*. *Nature communications*, 13(1), 2386.

Marsch-Martínez N, et al. (2022) Twisting development, the birth of a potential new gene. *iScience*, 25(12), 105627.

Ackerman-Lavert M, et al. (2021) Auxin requirements for a meristematic state in roots depend on a dual brassinosteroid function. *Current biology : CB*, 31(20), 4462.

Kuhn A, et al. (2020) Direct ETTIN-auxin interaction controls chromatin states in gynoecium development. *eLife*, 9.

Guo H, et al. (2020) Phosphorylation-Regulated Activation of the Arabidopsis RRS1-R/RPS4 Immune Receptor Complex Reveals Two Distinct Effector Recognition Mechanisms. *Cell host & microbe*, 27(5), 769.

Adachi H, et al. (2019) An N-terminal motif in NLR immune receptors is functionally conserved across distantly related plant species. *eLife*, 8.

Chung Y, et al. (2019) Auxin Response Factors promote organogenesis by chromatin-mediated repression of the pluripotency gene SHOOTMERISTEMLESS. *Nature*

communications, 10(1), 886.