

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

[pMpGE010](#)

RRID:Addgene_71536

Type: Plasmid

Proper Citation

RRID:Addgene_71536

Plasmid Information

URL: <http://www.addgene.org/71536>

Proper Citation: RRID:Addgene_71536

Bacterial Resistance: Chloramphenicol and Spectinomycin

Defining Citation: [PMID:30379827](#)

Vector Backbone Description: Backbone Marker:Kohchi Lab., Kyoto University; Backbone Size:12945; Vector Backbone:pMpGWB103; Vector Types:Plant Expression, CRISPR; Bacterial Resistance:Chloramphenicol and Spectinomycin

Comments: Please visit <https://www.biorxiv.org/content/early/2018/03/14/277350> for BioRxiv preprint

Plasmid Name: pMpGE010

Record Creation Time: 20220422T222440+0000

Record Last Update: 20260905T080035+0000

Ratings and Alerts

No rating or validation information has been found for pMpGE010.

No alerts have been found for pMpGE010.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Hashimoto T, et al. (2023) Enhanced Ca²⁺ binding to EF-hands through phosphorylation of conserved serine residues activates MpRBOHB and chitin-triggered ROS production. *Physiologia plantarum*, 175(6), e14101.

Hisanaga T, et al. (2023) The Polycomb repressive complex 2 deposits H3K27me₃ and represses transposable elements in a broad range of eukaryotes. *Current biology : CB*, 33(20), 4367.

Yotsui I, et al. (2023) LysM-mediated signaling in *Marchantia polymorpha* highlights the conservation of pattern-triggered immunity in land plants. *Current biology : CB*, 33(17), 3732.

Fukushima T, et al. (2022) Selection of a histidine auxotrophic *Marchantia polymorpha* strain with an auxotrophic selective marker. *Plant biotechnology (Tokyo, Japan)*, 39(4), 345.

Montgomery SA, et al. (2022) Polycomb-mediated repression of paternal chromosomes maintains haploid dosage in diploid embryos of *Marchantia*. *eLife*, 11.

Genau AC, et al. (2021) HAG1 and SWI3A/B control of male germ line development in *P. patens* suggests conservation of epigenetic reproductive control across land plants. *Plant reproduction*, 34(2), 149.

Wang N, et al. (2021) Characterization of a Plant Nuclear Matrix Constituent Protein in Liverwort. *Frontiers in plant science*, 12, 670306.

Dierschke T, et al. (2021) Gamete expression of TALE class HD genes activates the diploid sporophyte program in *Marchantia polymorpha*. *eLife*, 10.

Iwasaki M, et al. (2021) Identification of the sex-determining factor in the liverwort *Marchantia polymorpha* reveals unique evolution of sex chromosomes in a haploid system. *Current biology : CB*, 31(24), 5522.

Hernández-García J, et al. (2021) Coordination between growth and stress responses by DELLA in the liverwort *Marchantia polymorpha*. *Current biology : CB*, 31(16), 3678.

Mecchia MA, et al. (2021) The BES1/BZR1-family transcription factor MpBES1 regulates cell division and differentiation in *Marchantia polymorpha*. *Current biology : CB*, 31(21), 4860.

Hisanaga T, et al. (2021) Deep evolutionary origin of gamete-directed zygote activation by KNOX/BELL transcription factors in green plants. *eLife*, 10.

Tsuzuki M, et al. (2019) An Early Arising Role of the MicroRNA156/529-SPL Module in Reproductive Development Revealed by the Liverwort *Marchantia polymorpha*. *Current biology : CB*, 29(19), 3307.

Busch A, et al. (2019) MpTCP1 controls cell proliferation and redox processes in *Marchantia polymorpha*. *The New phytologist*, 224(4), 1627.

Konno R, et al. (2018) SKLPT imaging: Efficient in vivo pre-evaluation of genome-editing modules using fluorescent protein with peroxisome targeting signal. *Biochemical and biophysical research communications*, 503(1), 235.

Mutte SK, et al. (2018) Origin and evolution of the nuclear auxin response system. *eLife*, 7.

Sugano SS, et al. (2018) CRISPR/Cas9-Based Genome Editing of Transcription Factor Genes in *Marchantia polymorpha*. *Methods in molecular biology* (Clifton, N.J.), 1830, 109.

Furuya T, et al. (2018) ANGUSTIFOLIA contributes to the regulation of three-dimensional morphogenesis in the liverwort *Marchantia polymorpha*. *Development* (Cambridge, England), 145(18).