

Resource Summary Report

Generated by [NIF](#) on Aug 13, 2026

pMK-Cas9-gate

RRID:Addgene_113743

Type: Plasmid

Proper Citation

RRID:Addgene_113743

Plasmid Information

URL: <http://www.addgene.org/113743>

Proper Citation: RRID:Addgene_113743

Insert Name: Cas9

Organism: S. pyogenes, Z. mays

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:31523744](#)

Vector Backbone Description: Backbone Marker:Promega; Vector Backbone:pGEM-T easy; Vector Types:CRISPR, Gateway Cloning; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: Also has aminoglycosyl phosphotransferase driven by 35S promoter (G418 resistance). We are not sure of the backbone -- it came from a plasmid that was made many many years ago. It aligns well with pGEM-T Easy (which a lot of our plasmids are based on) so if we had to guess, we would say the backbone is pGEM-T Easy.

Plasmid Name: pMK-Cas9-gate

Record Creation Time: 20220422T221555+0000

Record Last Update: 20260808T080501+0000

Ratings and Alerts

No rating or validation information has been found for pMK-Cas9-gate.

No alerts have been found for pMK-Cas9-gate.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Kusová A, et al. (2025) TRB proteins in moss reveal their evolutionarily conserved roles in plant development and telomere maintenance. The Plant journal : for cell and molecular biology, 124(3), e70574.

Angelis KJ, et al. (2025) The Phenotype of Physcomitrium patens SMC6 Mutant with Interrupted Hinge Interactions. Genes, 16(9).

Yanez-Dominguez C, et al. (2025) The chloroplast-located HKT transporter plays an important role in fertilization and development in Physcomitrium patens. The Plant journal : for cell and molecular biology, 121(3), e17253.

Lelkes E, et al. (2023) Characterization of the conserved features of the NSE6 subunit of the Physcomitrium patens SMC5/6 complex. The Plant journal : for cell and molecular biology, 115(4), 1084.