

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

pGEM-gate

RRID:Addgene_113758

Type: Plasmid

Proper Citation

RRID:Addgene_113758

Plasmid Information

URL: <http://www.addgene.org/113758>

Proper Citation: RRID:Addgene_113758

Insert Name: gateway cassette

Organism: Other

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:31523744](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:3048; Vector Backbone:pGEM-T easy; Vector Types:Gateway Cloning; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: Use this vector for 3-way multi-site Gateway reactions with two regions of homology flanking an insert - this final vector can be used as a template for repair (homology-directed repair) after CRISPR double-strand break. This plasmid was constructed by A-tailing the Gateway cassette (R1R2) and blunt/TA Ligase reaction with pGEM-T Easy to create pGEM-gate.

Plasmid Name: pGEM-gate

Record Creation Time: 20220422T221555+0000

Record Last Update: 20260808T080501+0000

Ratings and Alerts

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

No alerts have been found for pGEM-gate.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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.