

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

[pBlu/gRNA](#)

RRID:Addgene_59188

Type: Plasmid

Proper Citation

RRID:Addgene_59188

Plasmid Information

URL: <http://www.addgene.org/59188>

Proper Citation: RRID:Addgene_59188

Insert Name: Guide RNA Cassette

Organism: Arabidopsis thaliana

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26479970](#)

Vector Backbone Description: Backbone Size:2958; Vector Backbone:pBluescript KS(+); Vector Types:Plant Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pBlu/gRNA

Record Creation Time: 20220422T222341+0000

Record Last Update: 20260815T081721+0000

Ratings and Alerts

No rating or validation information has been found for pBlu/gRNA.

No alerts have been found for pBlu/gRNA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Bui TP, et al. (2023) Enhancing powdery mildew resistance in soybean by targeted mutation of MLO genes using the CRISPR/Cas9 system. BMC plant biology, 23(1), 533.

Trinh DD, et al. (2022) A sequential transformation method for validating soybean genome editing by CRISPR/Cas9 system. Saudi journal of biological sciences, 29(10), 103420.

Permyakova NV, et al. (2021) Assessment of the Level of Accumulation of the dIFN Protein Integrated by the Knock-In Method into the Region of the Histone H3.3 Gene of Arabidopsis thaliana. Cells, 10(8).

Ng MS, et al. (2021) MATE-Type Proteins Are Responsible for Isoflavone Transportation and Accumulation in Soybean Seeds. International journal of molecular sciences, 22(21).

Le H, et al. (2020) CRISPR/Cas9-Mediated Knockout of Galactinol Synthase-Encoding Genes Reduces Raffinose Family Oligosaccharide Levels in Soybean Seeds. Frontiers in plant science, 11, 612942.

Wang S, et al. (2019) The Soybean Sugar Transporter GmSWEET15 Mediates Sucrose Export from Endosperm to Early Embryo. Plant physiology, 180(4), 2133.

Michno JM, et al. (2015) CRISPR/Cas mutagenesis of soybean and Medicago truncatula using a new web-tool and a modified Cas9 enzyme. GM crops & food, 6(4), 243.