

Resource Summary Report

Generated by [dkNET](#) on Aug 20, 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 [dkNET](#) .

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.