

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

[pICSL01009::AtU6p](#)

RRID:Addgene_46968

Type: Plasmid

Proper Citation

RRID:Addgene_46968

Plasmid Information

URL: <http://www.addgene.org/46968>

Proper Citation: RRID:Addgene_46968

Insert Name: AtU6p

Organism: Synthetic

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:23929340](#)

Vector Backbone Description: Backbone Size:2243; Vector Backbone:pICSL01009; Vector Types:Plant Expression, CRISPR; Bacterial Resistance:Spectinomycin

Comments: The backbone of the plasmid is a modified backbone of a level 0 vector from Weber et al. (PLoS One 6:e16765, 2011)

Plasmid Name: pICSL01009::AtU6p

Record Creation Time: 20220422T222242+0000

Record Last Update: 20260829T080604+0000

Ratings and Alerts

No rating or validation information has been found for pICSL01009::AtU6p.

No alerts have been found for pICSL01009::AtU6p.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Singh DK, et al. (2026) Cohesin and its regulation promote monopolar kinetochore orientation at meiosis I in Arabidopsis. *Current biology : CB*, 36(8), 1994.

Almeida J, et al. (2025) The FIBRILLIN multigene family in tomato, their roles in plastoglobuli structure and metabolism. *The Plant journal : for cell and molecular biology*, 123(5), e70447.

Shelake RM, et al. (2025) Protocol for assessment of CRISPR base editors and their components in Escherichia coli. *STAR protocols*, 6(3), 103973.

Kunta S, et al. (2025) Species-specific PHYTOCHROME-INTERACTING FACTOR utilization in the plant morphogenetic response to environmental stimuli. *The Plant cell*, 37(5).

Shanmugam T, et al. (2024) Low dose ribosomal DNA P-loop mutation affects development and enforces autophagy in Arabidopsis. *RNA biology*, 21(1), 1.

Perk EA, et al. (2024) CRISPR-Cas9 Protocol for Efficient Gene Knockout and Transgene-free Plant Generation. *Bio-protocol*, 14(11), e5012.

Shelake RM, et al. (2023) Improved Dual Base Editor Systems (iACBEs) for Simultaneous Conversion of Adenine and Cytosine in the Bacterium Escherichia coli. *mBio*, 14(1), e0229622.

Procko C, et al. (2023) Mutational analysis of mechanosensitive ion channels in the carnivorous Venus flytrap plant. *Current biology : CB*, 33(15), 3257.

Giacomelli L, et al. (2023) Simultaneous editing of two DMR6 genes in grapevine results in reduced susceptibility to downy mildew. *Frontiers in plant science*, 14, 1242240.

Nourozi M, et al. (2023) CRISPR/Cas StNRL1 gene knockout increases resistance to late blight and susceptibility to early blight in potato. *Frontiers in plant science*, 14, 1278127.

Marsch-Martinez N, et al. (2022) Twisting development, the birth of a potential new gene. *iScience*, 25(12), 105627.

Shelake RM, et al. (2022) In Vivo Rapid Investigation of CRISPR-Based Base Editing Components in Escherichia coli (IRI-CCE): A Platform for Evaluating Base Editing Tools and Their Components. *International journal of molecular sciences*, 23(3).

Mesihovic A, et al. (2022) HsfA7 coordinates the transition from mild to strong heat stress response by controlling the activity of the master regulator HsfA1a in tomato. *Cell reports*, 38(2), 110224.

Pramanik D, et al. (2021) CRISPR/Cas9-Mediated Generation of Pathogen-Resistant Tomato against Tomato Yellow Leaf Curl Virus and Powdery Mildew. *International journal*

of molecular sciences, 22(4).

Tran MT, et al. (2021) CRISPR/Cas9-based precise excision of SIHyPRP1 domain(s) to obtain salt stress-tolerant tomato. *Plant cell reports*, 40(6), 999.

Son GH, et al. (2021) Conserved Opposite Functions in Plant Resistance to Biotrophic and Necrotrophic Pathogens of the Immune Regulator SRFR1. *International journal of molecular sciences*, 22(12).

Kourelis J, et al. (2020) Evolution of a guarded decoy protease and its receptor in solanaceous plants. *Nature communications*, 11(1), 4393.

Hu Y, et al. (2020) Natural variation in HsfA2 pre-mRNA splicing is associated with changes in thermotolerance during tomato domestication. *The New phytologist*, 225(3), 1297.

Vu TV, et al. (2020) Highly efficient homology-directed repair using CRISPR/Cpf1-geminiviral replicon in tomato. *Plant biotechnology journal*, 18(10), 2133.

Wang D, et al. (2019) Characterization of CRISPR Mutants Targeting Genes Modulating Pectin Degradation in Ripening Tomato. *Plant physiology*, 179(2), 544.