

Resource Summary Report

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

pKI1.1R

RRID:Addgene_85808

Type: Plasmid

Proper Citation

RRID:Addgene_85808

Plasmid Information

URL: <http://www.addgene.org/85808>

Proper Citation: RRID:Addgene_85808

Insert Name: human-codon-optimized SpCas9

Organism: Streptococcus pyogenes

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:27856772](#)

Vector Backbone Description: Backbone Marker:Prof. Ikuko Hara-Nishimura; Vector Backbone:pFAST-R01; Vector Types:Plant Expression, CRISPR; Bacterial Resistance:Spectinomycin

Comments: Although this vector does not has a problem of sgRNA truncation like pKIR1.1, cloning efficiency in vector construction is low. E. coli with high competency is required.

Plasmid Name: pKI1.1R

Record Creation Time: 20220422T222552+0000

Record Last Update: 20260829T081208+0000

Ratings and Alerts

No rating or validation information has been found for pKI1.1R.

No alerts have been found for pKI1.1R.

Data and Source Information

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Yao J, et al. (2026) RUBY-Mediated Visual Selection Facilitates Transgenic Screening and Red Floral Pigmentation in *Petunia × hybrida*. *Plants* (Basel, Switzerland), 15(6).

Suzuki T, et al. (2026) An antiviral jacalin-like lectin gene contributes to nonhost resistance and host determination of potexviruses among Brassicaceae. *The New phytologist*, 250(5), 3283.

Schulten A, et al. (2025) VEL-dependent polymerization maintains the chromatin association of Polycomb proteins for the switch to epigenetic silencing. *Molecular cell*, 85(17), 3321.

Takagi H, et al. (2025) Florigen-producing cells express FPF1-LIKE PROTEIN 1 to accelerate flowering and stem growth in *Arabidopsis*. *Developmental cell*, 60(13), 1822.

Mateo-Bonmatí E, et al. (2024) A CPF-like phosphatase module links transcription termination to chromatin silencing. *Molecular cell*, 84(12), 2272.

Montez M, et al. (2023) Promoter-pervasive transcription causes RNA polymerase II pausing to boost DOG1 expression in response to salt. *The EMBO journal*, 42(5), e112443.

Nadi R, et al. (2023) The unequal functional redundancy of *Arabidopsis* INCURVATA11 and CUPULIFORMIS2 is not dependent on genetic background. *Frontiers in plant science*, 14, 1239093.

Secgin Z, et al. (2022) Genome-Wide Identification of the Aconitase Gene Family in Tomato (*Solanum lycopersicum*) and CRISPR-Based Functional Characterization of SIACO2 on Male-Sterility. *International journal of molecular sciences*, 23(22).

Han SK, et al. (2022) Deceleration of the cell cycle underpins a switch from proliferative to terminal divisions in plant stomatal lineage. *Developmental cell*, 57(5), 569.

Park ME, et al. (2021) C-to-G Base Editing Enhances Oleic Acid Production by Generating Novel Alleles of FATTY ACID DESATURASE 2 in Plants. *Frontiers in plant science*, 12, 748529.