

Resource Summary Report

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

[pKIR1.1](#)

RRID:Addgene_85758

Type: Plasmid

Proper Citation

RRID:Addgene_85758

Plasmid Information

URL: <http://www.addgene.org/85758>

Proper Citation: RRID:Addgene_85758

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: Right border (RB) may be truncated in the T-DNA integration. This may result in sgRNA scaffold truncation because the RB is close to 3' end of sgRNA. However, since we efficiently obtained knockout mutants by this vector, the truncation is not serious problem. To overcome it, we also deposited pKl1.1R. In pKl1.1R, sgRNA is not close to RB.

Plasmid Name: pKIR1.1

Record Creation Time: 20220422T222551+0000

Record Last Update: 20260829T081208+0000

Ratings and Alerts

No rating or validation information has been found for pKIR1.1.

No alerts have been found for pKIR1.1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

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.

Takahashi D, et al. (2024) Structural changes in cell wall pectic polymers contribute to freezing tolerance induced by cold acclimation in plants. Current biology : CB, 34(5), 958.

Tanaka N, et al. (2021) CZON-cutter - a CRISPR-Cas9 system for multiplexed organelle imaging in a simple unicellular alga. Journal of cell science, 134(21).