

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

[pKDsgRNA-p15](#)

RRID:Addgene_62656

Type: Plasmid

Proper Citation

RRID:Addgene_62656

Plasmid Information

URL: <http://www.addgene.org/62656>

Proper Citation: RRID:Addgene_62656

Insert Name: exo, beta, gam, sgRNA

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:26463009](#)

Vector Backbone Description: Vector Backbone:pKD46; Vector Types:Bacterial Expression; Bacterial Resistance:Spectinomycin

Plasmid Name: pKDsgRNA-p15

Record Creation Time: 20220422T222358+0000

Record Last Update: 20260815T081754+0000

Ratings and Alerts

No rating or validation information has been found for pKDsgRNA-p15.

No alerts have been found for pKDsgRNA-p15.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Liu YA, et al. (2025) Heterologous synthesis of a simplified nitrogenase analog in *Escherichia coli*. *Science advances*, 11(18), eadw6785.

Ghanbarpour A, et al. (2025) An asymmetric nautilus-like HflK/C assembly controls FtsH proteolysis of membrane proteins. *The EMBO journal*, 44(9), 2501.

Yadav D, et al. (2025) Chaperone Dependency during Primary Protein Biogenesis Does Not Correlate with Chaperone Dependency during in vitro Refolding. *bioRxiv : the preprint server for biology*.

Rangarajan AA, et al. (2022) Deletion of FRT-sites by no-SCAR recombineering in *Escherichia coli*. *Microbiology (Reading, England)*, 168(4).

Hills E, et al. (2022) Comprehensive Mutational Analysis of the Lasso Peptide Klebsidin. *ACS chemical biology*, 17(4), 998.

Lee EG, et al. (2022) CRISPR/Cas9-mediated generation of auxotrophic *Edwardsiella piscicida* mutants and immunization in olive flounder (*Paralichthys olivaceus*). *Fish & shellfish immunology*, 122, 98.

Chaves GL, et al. (2022) Improving 3-hydroxypropionic acid production in *E. coli* by in silico prediction of new metabolic targets. *New biotechnology*, 72, 80.

Ellington AJ, et al. (2022) Efficient and iterative retron-mediated in vivo recombineering in *Escherichia coli*. *Synthetic biology (Oxford, England)*, 7(1), ysac007.

Ellington AJ, et al. (2022) Generating Single Nucleotide Point Mutations in *E. coli* with the No-SCAR System. *Methods in molecular biology (Clifton, N.J.)*, 2479, 119.

Gregor C, et al. (2022) Generation of bright autoluminescent bacteria by chromosomal integration of the improved lux operon ilux2. *Scientific reports*, 12(1), 19039.

Wilkins D, et al. (2021) Sequence analysis and specificity of distinct types of menaquinone methyltransferases indicate the widespread potential of methylmenaquinone production in bacteria and archaea. *Environmental microbiology*, 23(3), 1407.

Wang CY, et al. (2021) Metabolome and proteome analyses reveal transcriptional misregulation in glycolysis of engineered *E. coli*. *Nature communications*, 12(1), 4929.

Bao SH, et al. (2021) A dynamic and multilocus metabolic regulation strategy using quorum-sensing-controlled bacterial small RNA. *Cell reports*, 36(3), 109413.

Contreras-Llano LE, et al. (2020) Holistic engineering of cell-free systems through proteome-reprogramming synthetic circuits. *Nature communications*, 11(1), 3138.

Rodrigues JL, et al. (2020) A Combinatorial Approach to Optimize the Production of Curcuminoids From Tyrosine in *Escherichia coli*. *Frontiers in bioengineering and biotechnology*, 8, 59.

Sander T, et al. (2019) Allosteric Feedback Inhibition Enables Robust Amino Acid Biosynthesis in *E. coli* by Enforcing Enzyme Overabundance. *Cell systems*, 8(1), 66.

Srinivas S, et al. (2019) *Escherichia coli* vectors having stringently repressible replication origins allow a streamlining of Crispr/Cas9 gene editing. *Plasmid*, 103, 53.

Li P, et al. (2019) Screening of Polyvalent Phage-Resistant *Escherichia coli* Strains Based on Phage Receptor Analysis. *Frontiers in microbiology*, 10, 850.

Li M, et al. (2018) Comparative genomics analysis of pTEM-2262, an MDR plasmid from *Citrobacter freundii*, harboring two unclassified replicons. *Future microbiology*, 13, 1657.

Li P, et al. (2018) vB_EcoS_IME347 a novel T1-like *Escherichia coli* bacteriophage. *Journal of basic microbiology*, 58(11), 968.