

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

RF10

RRID:Addgene_62076

Type: Plasmid

Proper Citation

RRID:Addgene_62076

Plasmid Information

URL: <http://www.addgene.org/62076>

Proper Citation: RRID:Addgene_62076

Insert Name: none

Bacterial Resistance: None

Defining Citation: [PMID:26577727](#)

Vector Backbone Description: Vector Backbone:none; Vector Types:; Bacterial Resistance:None

Comments: Genotype = lysA Precursor strain = BL21 CodonPlus (DE3)-RIL Selective amino acid labeling (and/or requirement) = Lys Each target gene was deleted from the chromosome of BL21 (DE3) E. coli strain using ??-Red recombination system. Supplemental documents contain a list of PCR primers used for verification of each knocked-out gene as well as an image showing PCR results for this strain. This work is supported in part by JSPS-NSF International Collaborations in Chemistry (ICC) research grant.

Plasmid Name: RF10

Record Creation Time: 20220422T222355+0000

Record Last Update: 20260815T081749+0000

Ratings and Alerts

No rating or validation information has been found for RF10.

No alerts have been found for RF10.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Quispe Haro JJ, et al. (2024) Optogenetic Control of Bacterial Cell-Cell Adhesion Dynamics: Unraveling the Influence on Biofilm Architecture and Functionality. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(23), e2310079.

Szydlo K, et al. (2022) Improving the Robustness of Engineered Bacteria to Nutrient Stress Using Programmed Proteolysis. ACS synthetic biology, 11(3), 1049.