

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

LbCas12a-DR-GC-swap-cr in pBCSK+

RRID:Addgene_126643

Type: Plasmid

Proper Citation

RRID:Addgene_126643

Plasmid Information

URL: <http://www.addgene.org/126643>

Proper Citation: RRID:Addgene_126643

Insert Name: LbCas12a Full Length Direct Repeat GC Swap crRNA

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30892626](#)

Vector Backbone Description: Backbone Size:3232; Vector Backbone:pBCSK+; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: For cloning crRNA guide sequences into the GC swap frameworks: The top oligo should contain a GTGG overhang on its 5' end and the bottom oligo should contain AAAA overhang on its 5' end to match the overhangs that are produced by BbsI. In addition, for these constructs the guide oligos should encode the final two bases [GT] of the constant region of the crRNA prior to the spacer [targeting] sequence and then two additional Ts following the spacer sequence to ensure robust RNA Polymerase III termination.

Plasmid Name: LbCas12a-DR-GC-swap-cr in pBCSK+

Record Creation Time: 20220422T221704+0000

Record Last Update: 20260808T080705+0000

Ratings and Alerts

No rating or validation information has been found for LbCas12a-DR-GC-swap-cr in pBCSK+.

No alerts have been found for LbCas12a-DR-GC-swap-cr in pBCSK+.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.