

Resource Summary Report

Generated by [dkNET](#) on Sep 2, 2026

BPK3082

RRID:Addgene_78742

Type: Plasmid

Proper Citation

RRID:Addgene_78742

Plasmid Information

URL: <http://www.addgene.org/78742>

Proper Citation: RRID:Addgene_78742

Insert Name: LbCpf1 crRNA backbone, without spacer sequence

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27347757](#)

Vector Backbone Description: Backbone Marker:Joung lab (Addgene Plasmid # 43860); Vector Backbone:MLM3636; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Use BsmBI sites to insert crRNA spacer sequence into the vector. This plasmid will express gRNA in mammalian cells for Cpf1 from Lachnospiraceae bacterium ND2006. Recommended to use with SQT1665 (Addgene plasmid# 78744), which expresses Lachnospiraceae bacterium ND2006 Cpf1. Please visit <https://www.biorxiv.org/content/early/2016/06/09/057802> for bioRxiv preprint.

Plasmid Name: BPK3082

Record Creation Time: 20220422T222518+0000

Record Last Update: 20260902T050231+0000

Ratings and Alerts

No rating or validation information has been found for BPK3082.

No alerts have been found for BPK3082.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Kempton HR, et al. (2020) Multiple Input Sensing and Signal Integration Using a Split Cas12a System. *Molecular cell*, 78(1), 184.

Fasciani A, et al. (2020) MLL4-associated condensates counterbalance Polycomb-mediated nuclear mechanical stress in Kabuki syndrome. *Nature genetics*, 52(12), 1397.

Schuster F, et al. (2020) CRISPR/Cas12a mediated knock-in of the Polled Celtic variant to produce a polled genotype in dairy cattle. *Scientific reports*, 10(1), 13570.

Kocak DD, et al. (2019) Increasing the specificity of CRISPR systems with engineered RNA secondary structures. *Nature biotechnology*, 37(6), 657.

Tsukamoto T, et al. (2018) Generation of the Adenovirus Vector-Mediated CRISPR/Cpf1 System and the Application for Primary Human Hepatocytes Prepared from Humanized Mice with Chimeric Liver. *Biological & pharmaceutical bulletin*, 41(7), 1089.

Tak YE, et al. (2017) Inducible and multiplex gene regulation using CRISPR-Cpf1-based transcription factors. *Nature methods*, 14(12), 1163.