

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

[pMAL-his-LbCpf1-EC](#)

RRID:Addgene_79008

Type: Plasmid

Proper Citation

RRID:Addgene_79008

Plasmid Information

URL: <http://www.addgene.org/79008>

Proper Citation: RRID:Addgene_79008

Insert Name: LbCpf1

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27272384](#)

Vector Backbone Description: Backbone Marker:NEB; Backbone Size:6000; Vector Backbone:pMAL-c5X; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pMAL-his-LbCpf1-EC

Record Creation Time: 20220422T222519+0000

Record Last Update: 20260815T082028+0000

Ratings and Alerts

No rating or validation information has been found for pMAL-his-LbCpf1-EC.

No alerts have been found for pMAL-his-LbCpf1-EC.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Nguyen GT, et al. (2024) CRISPR-Cas12a exhibits metal-dependent specificity switching. *bioRxiv : the preprint server for biology*.

Nguyen GT, et al. (2024) CRISPR-Cas12a exhibits metal-dependent specificity switching. *Nucleic acids research*, 52(16), 9343.

Han L, et al. (2023) Chaetocin disrupts the SUV39H1-HP1 interaction independent of SUV39H1 methyltransferase activity. *The Biochemical journal*, 480(6), 421.

Ou T, et al. (2022) Reprogramming of the heavy-chain CDR3 regions of a human antibody repertoire. *Molecular therapy : the journal of the American Society of Gene Therapy*, 30(1), 184.

Ferenczi A, et al. (2021) Mechanistic and genetic basis of single-strand templated repair at Cas12a-induced DNA breaks in *Chlamydomonas reinhardtii*. *Nature communications*, 12(1), 6751.

Tran MH, et al. (2021) A more efficient CRISPR-Cas12a variant derived from *Lachnospiraceae* bacterium MA2020. *Molecular therapy. Nucleic acids*, 24, 40.

Murugan K, et al. (2020) CRISPR-Cas12a has widespread off-target and dsDNA-nicking effects. *The Journal of biological chemistry*, 295(17), 5538.

Mekler V, et al. (2019) CRISPR-Cas molecular beacons as tool for studies of assembly of CRISPR-Cas effector complexes and their interactions with DNA. *Methods in enzymology*, 616, 337.

Kleinstiver BP, et al. (2019) Engineered CRISPR-Cas12a variants with increased activities and improved targeting ranges for gene, epigenetic and base editing. *Nature biotechnology*, 37(3), 276.

Ferenczi A, et al. (2017) Efficient targeted DNA editing and replacement in *Chlamydomonas reinhardtii* using Cpf1 ribonucleoproteins and single-stranded DNA. *Proceedings of the National Academy of Sciences of the United States of America*, 114(51), 13567.