

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

pCRISPR-cBEST

RRID:Addgene_125689

Type: Plasmid

Proper Citation

RRID:Addgene_125689

Plasmid Information

URL: <http://www.addgene.org/125689>

Proper Citation: RRID:Addgene_125689

Insert Name: streptomyces codon optimized spCas9n (D10A), modified sgRNA cassette, streptomyces codon optimized rAPOBEC1

Organism: Other

Bacterial Resistance: Apramycin

Defining Citation: [PMID:31548381](#)

Vector Backbone Description: Backbone Size:6971; Vector Backbone:pGM1190; Vector Types:CRISPR, Synthetic Biology; Bacterial Resistance:Apramycin

Comments: Please visit <https://www.biorxiv.org/content/10.1101/582403v1> for bioRxiv preprint.

Plasmid Name: pCRISPR-cBEST

Record Creation Time: 20220422T221658+0000

Record Last Update: 20260808T080655+0000

Ratings and Alerts

No rating or validation information has been found for pCRISPR-cBEST.

No alerts have been found for pCRISPR-cBEST.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Yan H, et al. (2025) A rational multi-target combination strategy for synergistic improvement of non-ribosomal peptide production. *Nature communications*, 16(1), 1883.

Lin H-C, et al. (2025) Highly efficient CRISPR-Cas9 base editing in *Bifidobacterium* with bypass of restriction modification systems. *Applied and environmental microbiology*, 91(4), e0198524.

Sun Y, et al. (2025) Application of multiple genomic-editing technologies in *Streptomyces fungicidicus* for improved enduracidin yield. *Synthetic and systems biotechnology*, 10(2), 564.

Zhang Y, et al. (2024) Simultaneous multiplex genome loci editing of *Halomonas bluephagenesis* using an engineered CRISPR-guided base editor. *Synthetic and systems biotechnology*, 9(3), 586.

Tong Y, et al. (2020) CRISPR-Cas9, CRISPRi and CRISPR-BEST-mediated genetic manipulation in streptomycetes. *Nature protocols*, 15(8), 2470.