

Resource Summary Report

Generated by [dkNET](#) on Aug 23, 2026

pCB-CBEv1

RRID:Addgene_221138

Type: Plasmid

Proper Citation

RRID:Addgene_221138

Plasmid Information

URL: <http://www.addgene.org/221138>

Proper Citation: RRID:Addgene_221138

Insert Name: 3xF-rAPOBEC1-Cas9n(HF)-UGI (HF-BE3)

Organism: Synthetic

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:39560384](#)

Vector Backbone Description: Backbone Marker:Matxalen Llosa lab; Vector Backbone:pMTX808; Vector Types:Bacterial Expression, CRISPR; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: RSF1010-based plasmid. Expresses 3xF-HF-BE3 from lacIq-Ptac promoter. Basal expression is sufficient for base editing in *Coxiella burnetii*. Note: During growth of *E. coli* harboring this plasmid, in some cells/colonies, the basal expression of 3xF-HF-BE3 can lead to spurious deamination of cytosines on the plasmid. Unique XhoI, NotI and XbaI sites for addition of sgRNA-encoding region(s) from pHelper-CBE-sgRNA (Addgene plasmid #221137) helper plasmid derivatives. Plasmid harbors oriT, but relaxase gene *mobA* is interrupted by AmpR. Plasmid alias: pSAST356.

Plasmid Name: pCB-CBEv1

Record Creation Time: 20241120T120712+0000

Record Last Update: 20260815T083118+0000

Ratings and Alerts

No rating or validation information has been found for pCB-CBEv1.

No alerts have been found for pCB-CBEv1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Steiner S, et al. (2024) CRISPR-Cas9-based approaches for genetic analysis and epistatic interaction studies in *Coxiella burnetii*. mSphere, 9(12), e0052324.