

Resource Summary Report

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

pCB-CBEv2

RRID:Addgene_221139

Type: Plasmid

Proper Citation

RRID:Addgene_221139

Plasmid Information

URL: <http://www.addgene.org/221139>

Proper Citation: RRID:Addgene_221139

Insert Name: 3xF-PpAPOBEC1(H122A)-Cas9n-UGI-UGI (BE4-PpAPOBEC1(H122A))

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-BE4-PpAPOBEC1(H122A) from lacIq-Ptac promoter. IPTG induction is required for base editing in *Coxiella burnetii*. Unique XhoI, NotI and SapI 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 encodes sacB, but sacB is not required for *Coxiella burnetii* base editing protocol. Plasmid alias: pSAST372.

Plasmid Name: pCB-CBEv2

Record Creation Time: 20241120T120712+0000

Record Last Update: 20260815T083118+0000

Ratings and Alerts

No rating or validation information has been found for pCB-CBEv2.

No alerts have been found for pCB-CBEv2.

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.