

# 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.

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## Data and Source Information

**Source:** [Addgene](#)

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## 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.