

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

pCMV_AncBE4max

RRID:Addgene_112094

Type: Plasmid

Proper Citation

RRID:Addgene_112094

Plasmid Information

URL: <http://www.addgene.org/112094>

Proper Citation: RRID:Addgene_112094

Insert Name: AncBE4max

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29813047](#)

Vector Backbone Description: Vector Backbone:pCMV; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pCMV_AncBE4max

Record Creation Time: 20220422T221546+0000

Record Last Update: 20260725T073516+0000

Ratings and Alerts

No rating or validation information has been found for pCMV_AncBE4max.

No alerts have been found for pCMV_AncBE4max.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 46 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Xing D, et al. (2025) Systematic comparison and base-editing-mediated directed protein evolution and functional screening yield superior auxin-inducible degron technology. *Nature communications*, 16(1), 6631.

Wei D, et al. (2025) AI-guided Cas9 engineering provides an effective strategy to enhance base editing. *Molecular systems biology*, 21(11), 1563.

Deforz E, et al. (2024) HOXDeRNA activates a cancerous transcription program and super enhancers via genome-wide binding. *Molecular cell*, 84(20), 3950.

Zhang G, et al. (2024) nCas9 Engineering for Improved Target Interaction Presents an Effective Strategy to Enhance Base Editing. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 11(31), e2405426.

An M, et al. (2024) Systematic identification of pathogenic variants of non-small cell lung cancer in the promoters of DNA-damage repair genes. *EBioMedicine*, 110, 105480.

Wang L, et al. (2024) MYH7 R453C induced cardiac remodelling via activating TGF- β /Smad2/3, ERK1/2 and Nox4/ROS/NF- κ B signalling pathways. *Open biology*, 14(6), 230427.

Park JC, et al. (2024) Enhancing genome editing in hPSCs through dual inhibition of DNA damage response and repair pathways. *Nature communications*, 15(1), 4002.

Park JC, et al. (2023) Transition Substitution of Desired Bases in Human Pluripotent Stem Cells with Base Editors: A Step-by-Step Guide. *International journal of stem cells*, 16(2), 234.

Wang Z, et al. (2023) Decreasing predictable DNA off-target effects and narrowing editing windows of adenine base editors by fusing human Rad18 protein variant. *International journal of biological macromolecules*, 253(Pt 7), 127418.

Koseki S, et al. (2023) PAM-Flexible Genome Editing with an Engineered Chimeric Cas9. *Research square*.

Wang H, et al. (2023) Generation of a human embryonic stem cell line WAe009-A-79 carrying a long QT syndrome mutation in KCNQ1. *Stem cell research*, 70, 103119.

Zuo Y, et al. (2023) Liver-specific in vivo base editing of Angptl3 via AAV delivery efficiently lowers blood lipid levels in mice. *Cell & bioscience*, 13(1), 109.

Zhao L, et al. (2023) PAM-flexible genome editing with an engineered chimeric Cas9. *Nature communications*, 14(1), 6175.

Li H, et al. (2023) Defective BVES-mediated feedback control of cAMP in muscular dystrophy. *Nature communications*, 14(1), 1785.

Deforz E, et al. (2023) HOXDeRNA activates a cancerous transcription program and super-enhancers genome-wide. *bioRxiv : the preprint server for biology*.

Pakari K, et al. (2023) De novo PAM generation to reach initially inaccessible target sites for base editing. *Development (Cambridge, England)*, 150(2).

Dang L, et al. (2022) Correction of the pathogenic mutation in TGM1 gene by adenine base editing in mutant embryos. *Molecular therapy : the journal of the American Society of Gene Therapy*, 30(1), 175.

Li Z, et al. (2022) PPAR γ phase separates with RXR γ at PPRES to regulate target gene expression. *Cell discovery*, 8(1), 37.

Zou X, et al. (2022) MYBPC3 deficiency in cardiac fibroblasts drives their activation and contributes to fibrosis. *Cell death & disease*, 13(11), 948.

Habib O, et al. (2022) Comprehensive analysis of prime editing outcomes in human embryonic stem cells. *Nucleic acids research*, 50(2), 1187.