

# Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

## pCMV\_ABEmax

RRID:Addgene\_112095

Type: Plasmid

### Proper Citation

RRID:Addgene\_112095

### Plasmid Information

**URL:** <http://www.addgene.org/112095>

**Proper Citation:** RRID:Addgene\_112095

**Insert Name:** ABEmax

**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\_ABEmax

**Record Creation Time:** 20220422T221546+0000

**Record Last Update:** 20260808T080445+0000

### Ratings and Alerts

No rating or validation information has been found for pCMV\_ABEmax.

No alerts have been found for pCMV\_ABEmax.

### Data and Source Information

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

### Usage and Citation Metrics

We found 51 mentions in open access literature.

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

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

Pulgarin DV, et al. (2025) Light-induced expression of gRNA allows for optogenetic gene editing of T lymphocytes in vivo. *Nucleic acids research*, 53(6).

Chang CC, et al. (2025) Y12C mutation disrupts IMPDH cytoophidia and alters cancer metabolism. *The FEBS journal*, 292(14), 3676.

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.

Benito-Martínez S, et al. (2025) Keratin intermediate filaments mechanically position melanin pigments for genome photoprotection. *bioRxiv : the preprint server for biology*.

Jung Y, et al. (2025) Establishment and rescue of fibroblast cell lines carrying a nonsense mutation of RB1 by CRISPR-based base editing. *Scientific reports*, 15(1), 25074.

Yuan T, et al. (2024) Deep learning models incorporating endogenous factors beyond DNA sequences improve the prediction accuracy of base editing outcomes. *Cell discovery*, 10(1), 20.

Zhao N, et al. (2024) Evolved cytidine and adenine base editors with high precision and minimized off-target activity by a continuous directed evolution system in mammalian cells. *Nature communications*, 15(1), 8140.

Yoon DE, et al. (2023) Precise base editing without unintended indels in human cells and mouse primary myoblasts. *Experimental & molecular medicine*, 55(12), 2586.

Amistadi S, et al. (2023) Functional restoration of a CFTR splicing mutation through RNA delivery of CRISPR adenine base editor. *Molecular therapy : the journal of the American Society of Gene Therapy*, 31(6), 1647.

Wang P, et al. (2023) Correction of DMD in human iPSC-derived cardiomyocytes by base-editing-induced exon skipping. *Molecular therapy. Methods & clinical development*, 28, 40.

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.

Lau CH, et al. (2022) PAM-flexible dual base editor-mediated random mutagenesis and self-activation strategies to improve CRISPRa potency. *Molecular therapy. Methods & clinical development*, 26, 26.

Hong SA, et al. (2022) In vivo gene editing via homology-independent targeted integration for adrenoleukodystrophy treatment. *Molecular therapy : the journal of the American Society of Gene Therapy*, 30(1), 119.

Umbach A, et al. (2022) Generation of corrected hiPSC clones from a Cornelia de Lange Syndrome (CdLS) patient through CRISPR-Cas-based technology. *Stem cell research & therapy*, 13(1), 440.

Zhao D, et al. (2022) Highly efficient A-to-G base editing by ABE8.17 in rabbits. *Molecular therapy*. *Nucleic acids*, 27, 1156.

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

Tsai CW, et al. (2022) Mechanisms and significance of tissue-specific MICU regulation of the mitochondrial calcium uniporter complex. *Molecular cell*, 82(19), 3661.

Hong SA, et al. (2022) Therapeutic base editing and prime editing of COL7A1 mutations in recessive dystrophic epidermolysis bullosa. *Molecular therapy : the journal of the American Society of Gene Therapy*, 30(8), 2664.

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.