Resource Summary Report

Generated by dkNET on Sep 18, 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: 20260912T091518+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 dkNET .

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).

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

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.

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.

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

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? phase separates with RXR? at PPREs to regulate target gene expression. Cell discovery, 8(1), 37.

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.

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.