

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

MLM3636

RRID:Addgene_43860

Type: Plasmid

Proper Citation

RRID:Addgene_43860

Plasmid Information

URL: <http://www.addgene.org/43860>

Proper Citation: RRID:Addgene_43860

Insert Name: None

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Joung lab MLM3636; Vector Backbone:Human-gRNA-ExpressionVector; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Human cell gRNA Expression Vector for use with JDS246 (Addgene plasmid# 43861--mammalian codon-optimized streptococcus pyogenes Cas9). See the supplemental document "Joung Lab gRNA Cloning Protocol" for more details.

Plasmid Name: MLM3636

Record Creation Time: 20220422T222227+0000

Record Last Update: 20260905T075643+0000

Ratings and Alerts

No rating or validation information has been found for MLM3636.

No alerts have been found for MLM3636.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 142 mentions in open access literature.

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

Ekstrand F, et al. (2026) Nanopore Electroporation: A New Delivery Method Within the Field of Epigenetic Editing. *Small (Weinheim an der Bergstrasse, Germany)*, 22(28), e13858.

Yan AP, et al. (2026) Base editing in the AUTS2 gene and high-throughput NGS genotyping of clones: a strategy for generating a cellular model. *Vavilovskii zhurnal genetiki i selektsii*, 30(1), 72.

Patel R, et al. (2026) Reduced SH3RF3 May Protect Against Alzheimer's Disease by Lowering Microglial Pro-Inflammatory Responses via Modulation of JNK and NFkB Signaling. *Glia*, 74(7), e70165.

Ha TY, et al. (2025) SOX9 haploinsufficiency reveals SOX9-Noggin interaction in BMP-SMAD signaling pathway in chondrogenesis. *Cellular and molecular life sciences : CMLS*, 82(1), 99.

Nguyen T, et al. (2025) Utility of the Base Editing System for Introducing Drug-Resistant Gene Mutations Into Human Leukemia Cellular Models. *Cureus*, 17(4), e81889.

McKenna JK, et al. (2025) The ubiquitin ligase HUWE1 enhances WNT signaling by antagonizing destruction complex-mediated β -catenin degradation and through a mechanism independent of changes in β -catenin abundance. *PLoS genetics*, 21(5), e1011677.

Sarno F, et al. (2025) Epigenetic editing and epi-drugs: a combination strategy to simultaneously target KDM4 as a novel anticancer approach. *Clinical epigenetics*, 17(1), 105.

Grant-Bier J, et al. (2025) MSH2 is not required for either maintenance of DNA methylation or repeat contraction at the FMR1 locus in fragile X syndrome or the FXN locus in Friedreich's ataxia. *Epigenetics & chromatin*, 18(1), 24.

Payán Parra OA, et al. (2025) Cohesin regulation of genome organization in mature granule neurons in the mouse cerebellum. *Epigenetics & chromatin*, 18(1), 60.

Valdez I, et al. (2025) A streamlined base editor engineering strategy to reduce bystander editing. *Nature communications*, 16(1), 8115.

Kozareva V, et al. (2025) Integrative multiomic analysis links TDP-43-driven splicing defects to cascading proteomic disruption of ALS/FTD pathways. *bioRxiv : the preprint server for biology*.

Ritacco DA, et al. (2025) The antibacterial factor APOL3 couples lysosomal damage to mitochondrial DNA efflux and type I IFN induction. *bioRxiv : the preprint server for biology*.

Berthault C, et al. (2024) Highly Efficient Ex Vivo Correction of COL7A1 through Ribonucleoprotein-Based CRISPR/Cas9 and Homology-Directed Repair to Treat Recessive Dystrophic Epidermolysis Bullosa. *The Journal of investigative dermatology*,

144(6), 1322.

Patel R, et al. (2024) Reduced SH3RF3 may protect against Alzheimer's disease by lowering microglial pro-inflammatory responses via modulation of JNK and NFkB signaling. *bioRxiv : the preprint server for biology*.

Gerke C, et al. (2024) Multimodal HLA-I genotype regulation by human cytomegalovirus US10 and resulting surface patterning. *eLife*, 13.

García-Poyatos C, et al. (2024) Cox7a1 controls skeletal muscle physiology and heart regeneration through complex IV dimerization. *Developmental cell*, 59(14), 1824.

Conti BA, et al. (2024) RTF2 controls replication repriming and ribonucleotide excision at the replisome. *Nature communications*, 15(1), 1943.

Zhao X, et al. (2024) Cellular targets and lysine selectivity of the HERC5 ISG15 ligase. *iScience*, 27(2), 108820.

Shafaei Pishabad Z, et al. (2024) The Y49H cytochrome c variant enhances megakaryocytic maturation of K-562 cells. *Biochimica et biophysica acta. Molecular basis of disease*, 1870(5), 167134.

Ma X, et al. (2024) β -catenin mediates endodermal commitment of human ES cells via distinct transactivation functions. *Cell & bioscience*, 14(1), 96.