Resource Summary Report

Generated by NIF on Sep 18, 2026

pMJ920

RRID:Addgene_42234
Type: Plasmid

Proper Citation

RRID:Addgene_42234

Plasmid Information

URL: http://www.addgene.org/42234

Proper Citation: RRID:Addgene_42234

Insert Name: Cas9

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:23386978

Vector Backbone Description: Backbone Marker:QB3 MacroLab; Backbone Size:6145; Vector Backbone:MacroLab 6D; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pMJ920

Relevant Mutation: codon-optimized synthetic DNA sequence

Record Creation Time: 20220422T222218+0000

Record Last Update: 20260912T092709+0000

Ratings and Alerts

No rating or validation information has been found for pMJ920.

No alerts have been found for pMJ920.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 41 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Zhang Z, et al. (2025) ANP32 proteins from ticks and vertebrates are key host factors for replication of Bourbon virus across species. Journal of virology, 99(6), e0052225.

Ahmad I, et al. (2025) Murine Leukemia Virus GlycoGag Antagonizes SERINC5 via ER-phagy Receptor RETREG1. bioRxiv : the preprint server for biology.

De Pablo-Moreno JA, et al. (2025) Development of a novel and viable knock-in factor V deficiency murine model: Utility for an ultra-rare disease. PloS one, 20(6), e0321864.

Ahmad I, et al. (2025) Murine leukemia virus glycoGag antagonizes SERINC5 via ER-phagy receptor RETREG1. PLoS pathogens, 21(10), e1013023.

Kerschner JL, et al. (2024) The impact of genomic distance on enhancer-promoter interactions at the CFTR locus. Journal of cellular and molecular medicine, 28(4), e18142.

Niu X, et al. (2024) Infectious bursal disease virus VP5 triggers host shutoff in a transcription-dependent manner. mBio, 15(3), e0343323.

Pérez-Gómez A, et al. (2024) PPARG is dispensable for bovine embryo development up to tubular stages†. Biology of reproduction, 111(3), 557.

Liu P, et al. (2024) Identification of Cables1 as a critical host factor that promotes ALV-J replication via genome-wide CRISPR/Cas9 gene knockout screening. The Journal of biological chemistry, 300(11), 107804.

Kerschner JL, et al. (2023) An ectopic enhancer restores CFTR expression through de novo chromatin looping. Gene therapy, 30(6), 478.

L GB, et al. (2022) The Sperm Olfactory Receptor OLFR601 is Dispensable for Mouse Fertilization. Frontiers in cell and developmental biology, 10, 854115.

Yin S, et al. (2022) Cross-talk between enhancers, structural elements and activating transcription factors maintains the 3D architecture and expression of the CFTR gene. Genomics, 114(3), 110350.

Chen Y, et al. (2022) Residues L55 and W69 of Tva Mediate Entry of Subgroup A Avian Leukosis Virus. Journal of virology, 96(18), e0067822.

Yu M, et al. (2022) KPNA6 is a Cofactor of ANP32A/B in Supporting Influenza Virus Polymerase Activity. Microbiology spectrum, 10(1), e0207321.

Lin-Shiao E, et al. (2022) CRISPR-Cas9-mediated nuclear transport and genomic integration of nanostructured genes in human primary cells. Nucleic acids research, 50(3), 1256.

Paranjapye A, et al. (2022) Krüppel-Like Factor 5 Regulates CFTR Expression Through Repression by Maintaining Chromatin Architecture Coupled with Direct Enhancer Activation. Journal of molecular biology, 434(10), 167561.

Hamilton JR, et al. (2021) Targeted delivery of CRISPR-Cas9 and transgenes enables complex immune cell engineering. Cell reports, 35(9), 109207.

Paranjapye A, et al. (2021) Krüppel-like factor 5 regulates wound repair and the innate immune response in human airway epithelial cells. The Journal of biological chemistry, 297(2), 100932.

Chai Q, et al. (2021) HIV-1 Nef interacts with the cyclin K/CDK13 complex to antagonize SERINC5 for optimal viral infectivity. Cell reports, 36(6), 109514.

Kerschner JL, et al. (2021) OTX2 regulates CFTR expression during endoderm differentiation and occupies 3' cis-regulatory elements. Developmental dynamics : an official publication of the American Association of Anatomists, 250(5), 684.

Zhang H, et al. (2020) A unique feature of swine ANP32A provides susceptibility to avian influenza virus infection in pigs. PLoS pathogens, 16(2), e1008330.