

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pDonor MCS Rosa26

RRID:Addgene_37200

Type: Plasmid

Proper Citation

RRID:Addgene_37200

Plasmid Information

URL: <http://www.addgene.org/37200>

Proper Citation: RRID:Addgene_37200

Insert Name: Rosa26 left targeting arm

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22169954](#)

Vector Backbone Description: Backbone Marker:Sigma; Vector Backbone:pZDonor AAVS1; Vector Types:Genomic targeting - zinc finger; Bacterial Resistance:Ampicillin

Comments: The homology arms in the ROSA26 donor vector were generated by PCR of mouse genomic DNA and insertion of the PCR-amplified right homology arm (left primer: 5-TTATTGCGGCCGAG ATGGGCGGGAGTCTTCT-3, right primer: 5-AACA CCGCGGCAGTTTATAAATGGAGAAAAAGGAGA -3) between the NotI and SacII sites and the left homology arm (left primer: 5-TCTATGGTACCAGTTAACGGCA GCCGGAGT-3 , right primer: 5 -CGGACGAATTCTCT AGAAAGACTGGAGTTGCAGA-3) between the KpnI and EcoRI sites in the pZDonor AAVS1 vector obtained from Sigma–Aldrich.

Plasmid Name: pDonor MCS Rosa26

Record Creation Time: 20220422T222157+0000

Record Last Update: 20260815T081413+0000

Ratings and Alerts

No rating or validation information has been found for pDonor MCS Rosa26.

No alerts have been found for pDonor MCS Rosa26.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Nita A, et al. (2025) FGFR2 residence in primary cilia is necessary for epithelial cell signaling. The Journal of cell biology, 224(7).

Sun MS, et al. (2025) Core passive and facultative mTOR-mediated mechanisms coordinate mammalian protein synthesis and decay. Cell systems, 101456.

Ester L, et al. (2023) The role of the FSGS disease gene product and nuclear pore protein NUP205 in regulating nuclear localization and activity of transcriptional regulators YAP and TAZ. Human molecular genetics, 32(22), 3153.

Ou-Yang H, et al. (2022) Cruciform DNA Structures Act as Legible Templates for Accelerating Homologous Recombination in Transgenic Animals. International journal of molecular sciences, 23(7).

Niemann P, et al. (2022) Generation and Characterization of an Inducible Cx43 Overexpression System in Mouse Embryonic Stem Cells. Cells, 11(4).

Kimura K, et al. (2021) Overexpression of human BAG3P209L in mice causes restrictive cardiomyopathy. Nature communications, 12(1), 3575.

Sato T, et al. (2019) Generating Genetically Engineered Mice Using a Spermatogonial Stem Cell-Mediated Method. Methods in molecular biology (Clifton, N.J.), 1874, 87.

Tálas A, et al. (2017) A convenient method to pre-screen candidate guide RNAs for CRISPR/Cas9 gene editing by NHEJ-mediated integration of a 'self-cleaving' GFP-expression plasmid. DNA research : an international journal for rapid publication of reports on genes and genomes, 24(6), 609.

Kasperek P, et al. (2014) Efficient gene targeting of the Rosa26 locus in mouse zygotes using TALE nucleases. FEBS letters, 588(21), 3982.

Lepperhof V, et al. (2014) Bioluminescent imaging of genetically selected induced pluripotent stem cell-derived cardiomyocytes after transplantation into infarcted heart of syngeneic recipients. PloS one, 9(9), e107363.