

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

Rosa26 mT/mG

RRID:Addgene_17787

Type: Plasmid

Proper Citation

RRID:Addgene_17787

Plasmid Information

URL: <http://www.addgene.org/17787>

Proper Citation: RRID:Addgene_17787

Insert Name: Rosa26 mT/mG

Organism: Aquorea victoria

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17868096](#)

Vector Backbone Description: Backbone Size:4969; Vector Backbone:pBluescript; Vector Types:Mammalian Expression, Mouse Targeting, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: See the 'Notes' section for the annotated GenBank file. Please note that some portions of the sequence (e.g., Rosa26 targeting arms and CA promoter) may not be entirely accurate.

Plasmid Name: Rosa26 mT/mG

Record Creation Time: 20220422T222026+0000

Record Last Update: 20260815T081112+0000

Ratings and Alerts

No rating or validation information has been found for Rosa26 mT/mG.

No alerts have been found for Rosa26 mT/mG.

Data and Source Information

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Försönits AI, et al. (2025) Improved Accessibility of Extracellular Vesicle Surface Molecules Upon Partial Removal of the Protein Corona by High Ionic Strength. *Journal of extracellular vesicles*, 14(7), e70124.

Nakagawa T, et al. (2025) Trophectoderm-specific gene manipulation using adeno-associated viral vectors. *Experimental animals*, 74(3), 310.

Fujiwara K, et al. (2024) Spatial organizations of heterochromatin underpin nuclear structural integrity of ventricular cardiomyocytes against mechanical stress. *Cell reports*, 43(12), 115048.

Vizoso M, et al. (2022) A doxycycline- and light-inducible Cre recombinase mouse model for optogenetic genome editing. *Nature communications*, 13(1), 6442.

Shimada-Takayama Y, et al. (2022) Generation of mice for evaluating endogenous p16Ink4a protein expression. *Biochemical and biophysical research communications*, 599, 43.

Hirano M, et al. (2022) MYCL-mediated reprogramming expands pancreatic insulin-producing cells. *Nature metabolism*, 4(2), 254.

Nie J, et al. (2022) CHD7 regulates otic lineage specification and hair cell differentiation in human inner ear organoids. *Nature communications*, 13(1), 7053.

Sivaraj KK, et al. (2020) YAP1 and TAZ negatively control bone angiogenesis by limiting hypoxia-inducible factor signaling in endothelial cells. *eLife*, 9.

Ayala-Sarmiento AE, et al. (2020) De Novo Generation of Murine and Human MADR Recipient Cell Lines for Locus-Specific, Stable Integration of Transgenic Elements. *STAR protocols*, 1(3), 100184.

Payne S, et al. (2019) Regulatory pathways governing murine coronary vessel formation are dysregulated in the injured adult heart. *Nature communications*, 10(1), 3276.

Kim GB, et al. (2019) Rapid Generation of Somatic Mouse Mosaics with Locus-Specific, Stably Integrated Transgenic Elements. *Cell*, 179(1), 251.

Kato K, et al. (2018) Pulmonary pericytes regulate lung morphogenesis. *Nature communications*, 9(1), 2448.

Berenguer J, et al. (2018) Glycosylated extracellular vesicles released by glioblastoma cells are decorated by CCL18 allowing for cellular uptake via chemokine receptor CCR8. *Journal of extracellular vesicles*, 7(1), 1446660.

Thunemann M, et al. (2017) Cre/lox-assisted non-invasive in vivo tracking of specific cell populations by positron emission tomography. *Nature communications*, 8(1), 444.

Takata N, et al. (2017) Self-patterning of rostral-caudal neuroectoderm requires dual role of Fgf signaling for localized Wnt antagonism. *Nature communications*, 8(1), 1339.

Jeong HW, et al. (2017) Transcriptional regulation of endothelial cell behavior during sprouting angiogenesis. *Nature communications*, 8(1), 726.

Takata N, et al. (2016) Activation of Wnt/ β -catenin signaling in ESC promotes rostral forebrain differentiation in vitro. *In vitro cellular & developmental biology. Animal*, 52(3), 374.

Young NP, et al. (2016) AMPK governs lineage specification through Tfeb-dependent regulation of lysosomes. *Genes & development*, 30(5), 535.

Li S, et al. (2014) Dual fluorescent reporter pig for Cre recombination: transgene placement at the ROSA26 locus. *PloS one*, 9(7), e102455.

Ge XL, et al. (2014) Identification of a novel GJA8 (Cx50) point mutation causes human dominant congenital cataracts. *Scientific reports*, 4, 4121.