

Resource Summary Report

Generated by [dkNET](#) on Aug 4, 2026

pROSA26-PA

RRID:Addgene_21271

Type: Plasmid

Proper Citation

RRID:Addgene_21271

Plasmid Information

URL: <http://www.addgene.org/21271>

Proper Citation: RRID:Addgene_21271

Insert Name: ROSA26

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11299042](#)

Vector Backbone Description: Backbone Marker:Available at Addgene (Plasmid# 21714); Backbone Size:0; Vector Backbone:pROSA26-1; Vector Types:Mouse Targeting; Bacterial Resistance:Ampicillin

Comments: To make the ROSA26 genomic sequence compatible with the pBigT plasmid, pROSA26-1 was digested with XbaI, Klenow filled and a linker (PacI, Swal, AscI) inserted. This plasmid was called pROSA26PA.

Plasmid Name: pROSA26-PA

Record Creation Time: 20220422T222055+0000

Record Last Update: 20260801T081015+0000

Ratings and Alerts

No rating or validation information has been found for pROSA26-PA.

No alerts have been found for pROSA26-PA.

Data and Source Information

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Lu G, et al. (2026) In vivo detection of immune responses via cytokine activity labeling. *Cell*.

Lin S, et al. (2025) Rbpms2 prevents major cardiac defects in cardiomyocyte-specific Rbpms-deficient mice. *Developmental cell*.

Rivadeneira DB, et al. (2025) Oxidative-stress-induced telomere instability drives T cell dysfunction in cancer. *Immunity*.

Angelozzi M, et al. (2024) SOXC are critical regulators of adult bone mass. *Nature communications*, 15(1), 2956.

Zhao G, et al. (2024) Vascular endothelial-derived SPARCL1 exacerbates viral pneumonia through pro-inflammatory macrophage activation. *Nature communications*, 15(1), 4235.

Zhao G, et al. (2023) Vascular Endothelial-derived SPARCL1 Exacerbates Viral Pneumonia Through Pro-Inflammatory Macrophage Activation. *bioRxiv : the preprint server for biology*.

Dumrongprechachan V, et al. (2022) Dynamic proteomic and phosphoproteomic atlas of corticostriatal axons in neurodevelopment. *eLife*, 11.

Gao FJ, et al. (2021) Forebrain Shh overexpression improves cognitive function and locomotor hyperactivity in an aneuploid mouse model of Down syndrome and its euploid littermates. *Acta neuropathologica communications*, 9(1), 137.

Arai D, et al. (2021) Efficient biallelic knock-in in mouse embryonic stem cells by in vivo-linearization of donor and transient inhibition of DNA polymerase β /DNA-PK. *Scientific reports*, 11(1), 18132.

Andrews LP, et al. (2021) A Cre-driven allele-conditioning line to interrogate CD4+ conventional T cells. *Immunity*, 54(10), 2209.

Hamline MY, et al. (2020) OFCD syndrome and extraembryonic defects are revealed by conditional mutation of the Polycomb-group repressive complex 1.1 (PRC1.1) gene BCOR. *Developmental biology*, 468(1-2), 110.

Liu C, et al. (2020) Neuropilin-1 is a T cell memory checkpoint limiting long-term antitumor immunity. *Nature immunology*, 21(9), 1010.

Carper MB, et al. (2019) An Immunocompetent Mouse Model of HPV16(+) Head and Neck Squamous Cell Carcinoma. *Cell reports*, 29(6), 1660.

Key PN, et al. (2019) Chronic Ly49H Receptor Engagement in vivo Decreases NK Cell Response to Stimulation Through ITAM-Dependent and Independent Pathways Both in vitro and in vivo. *Frontiers in immunology*, 10, 1692.

Zong H, et al. (2014) Generation and applications of MADM-based mouse genetic mosaic system. *Methods in molecular biology* (Clifton, N.J.), 1194, 187.

Mort RL, et al. (2014) Fucci2a: a bicistronic cell cycle reporter that allows Cre mediated tissue specific expression in mice. *Cell cycle* (Georgetown, Tex.), 13(17), 2681.

De Bock K, et al. (2013) Role of PFKFB3-driven glycolysis in vessel sprouting. *Cell*, 154(3), 651.