

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[Nanog-2A-mCherry](#)

RRID:Addgene_59995

Type: Plasmid

Proper Citation

RRID:Addgene_59995

Plasmid Information

URL: <http://www.addgene.org/59995>

Proper Citation: RRID:Addgene_59995

Insert Name: Nanog

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23827708](#)

Vector Backbone Description: Vector Backbone:PCR2_TOPO; Vector Types:Mouse Targeting; Bacterial Resistance:Ampicillin

Plasmid Name: Nanog-2A-mCherry

Record Creation Time: 20220422T222345+0000

Record Last Update: 20260815T081728+0000

Ratings and Alerts

No rating or validation information has been found for Nanog-2A-mCherry.

No alerts have been found for Nanog-2A-mCherry.

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](#) .

Huang B, et al. (2024) Long-term expandable mouse and human-induced nephron progenitor cells enable kidney organoid maturation and modeling of plasticity and disease. *Cell stem cell*, 31(6), 921.

Huang B, et al. (2023) Modeling kidney development, disease, and plasticity with clonal expandable nephron progenitor cells and nephron organoids. *bioRxiv : the preprint server for biology*.

Moauero A, et al. (2022) Fluorescent Reporters Distinguish Stem Cell Colony Subtypes During Somatic Cell Reprogramming. *Cellular reprogramming*, 24(6), 353.

Kale HT, et al. (2022) A NANOG-pERK reciprocal regulatory circuit regulates Nanog autoregulation and ERK signaling dynamics. *EMBO reports*, 23(11), e54421.

Huang Y, et al. (2021) Generation of an EFNB2-2A-mCherry reporter human embryonic stem cell line using CRISPR/Cas9-mediated site-specific homologous recombination. *Stem cell research*, 52, 102241.

Pokrass MJ, et al. (2020) Cell-Cycle-Dependent ERK Signaling Dynamics Direct Fate Specification in the Mammalian Preimplantation Embryo. *Developmental cell*, 55(3), 328.

Shibata Y, et al. (2019) Functional Studies of Transcriptional Cofactors via Microinjection-Mediated Gene Editing in *Xenopus*. *Methods in molecular biology (Clifton, N.J.)*, 1874, 507.

Mayor-Ruiz C, et al. (2018) ERF deletion rescues RAS deficiency in mouse embryonic stem cells. *Genes & development*, 32(7-8), 568.

Xia JB, et al. (2017) Gene delivery of hypoxia-inducible VEGF targeting collagen effectively improves cardiac function after myocardial infarction. *Scientific reports*, 7(1), 13273.

Fu L, et al. (2016) A simple and efficient method to visualize and quantify the efficiency of chromosomal mutations from genome editing. *Scientific reports*, 6, 35488.