

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

OCT4-eGFP-PGK-Puro

RRID:Addgene_31937

Type: Plasmid

Proper Citation

RRID:Addgene_31937

Plasmid Information

URL: <http://www.addgene.org/31937>

Proper Citation: RRID:Addgene_31937

Insert Name: OCT4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21738127](#)

Vector Backbone Description: Backbone Marker:invitrogen; Backbone Size:7955; Vector Backbone:PCR2.1; Vector Types:targeting donor; Bacterial Resistance:Ampicillin

Plasmid Name: OCT4-eGFP-PGK-Puro

Record Creation Time: 20220422T222138+0000

Record Last Update: 20260725T074547+0000

Ratings and Alerts

No rating or validation information has been found for OCT4-eGFP-PGK-Puro.

No alerts have been found for OCT4-eGFP-PGK-Puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Li J, et al. (2025) CRISPR-based screening identifies the role of KRAB-containing transcription factors ZIM3 and ZNF394 in human major zygotic genome activation. *Cell reports*, 44(8), 116015.

Feng Y, et al. (2024) BRD9-SMAD2/3 Orchestrates Stemness and Tumorigenesis in Pancreatic Ductal Adenocarcinoma. *Gastroenterology*, 166(1), 139.

Chang CH, et al. (2024) The pRb/RBL2-E2F1/4-GCN5 axis regulates cancer stem cell formation and G0 phase entry/exit by paracrine mechanisms. *Nature communications*, 15(1), 3580.

Mu W, et al. (2022) RBBP4 dysfunction reshapes the genomic landscape of H3K27 methylation and acetylation and disrupts gene expression. *G3 (Bethesda, Md.)*, 12(6).

Larsen LE, et al. (2022) Defective Lipid Droplet-Lysosome Interaction Causes Fatty Liver Disease as Evidenced by Human Mutations in TMEM199 and CCDC115. *Cellular and molecular gastroenterology and hepatology*, 13(2), 583.

Smirnov AV, et al. (2022) Evaluation of the ??-casein (CSN1S1) locus as a potential target for a site-specific transgene integration. *Scientific reports*, 12(1), 7983.

Wang Q, et al. (2021) Precise and broad scope genome editing based on high-specificity Cas9 nickases. *Nucleic acids research*, 49(2), 1173.

Wesslowski J, et al. (2020) eGFP-tagged Wnt-3a enables functional analysis of Wnt trafficking and signaling and kinetic assessment of Wnt binding to full-length Frizzled. *The Journal of biological chemistry*, 295(26), 8759.

Menon DU, et al. (2019) Mammalian SWI/SNF collaborates with a polycomb-associated protein to regulate male germline transcription in the mouse. *Development (Cambridge, England)*, 146(19).

Okamoto Y, et al. (2018) Replication stress induces accumulation of FANCD2 at central region of large fragile genes. *Nucleic acids research*, 46(6), 2932.

Verma N, et al. (2018) TET proteins safeguard bivalent promoters from de novo methylation in human embryonic stem cells. *Nature genetics*, 50(1), 83.

Scott BL, et al. (2018) Membrane bending occurs at all stages of clathrin-coat assembly and defines endocytic dynamics. *Nature communications*, 9(1), 419.