

Resource Summary Report

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

OCT4-eGFP-2A-Puro

RRID:Addgene_31939

Type: Plasmid

Proper Citation

RRID:Addgene_31939

Plasmid Information

URL: <http://www.addgene.org/31939>

Proper Citation: RRID:Addgene_31939

Insert Name: OCT4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21738127](#)

Vector Backbone Description: Backbone Marker:invitrogen; Backbone Size:6804; Vector Backbone:PCR2.1; Vector Types:targeting donor; Bacterial Resistance:Ampicillin

Plasmid Name: OCT4-eGFP-2A-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-2A-Puro.

No alerts have been found for OCT4-eGFP-2A-Puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Lee M, et al. (2020) Generation of OCT4-EGFP, NANOG-tdTomato dual reporter human induced pluripotent stem cell line, KKUi001-A, using the CRISPR/Cas9 system. Stem cell research, 48, 101943.

Chu LF, et al. (2016) Single-cell RNA-seq reveals novel regulators of human embryonic stem cell differentiation to definitive endoderm. Genome biology, 17(1), 173.

Zhang S, et al. (2015) Efficient human immunodeficiency virus (HIV-1) infection of cells lacking PDZD8. Virology, 481, 73.

Krentz NA, et al. (2014) TALEN/CRISPR-mediated eGFP knock-in add-on at the OCT4 locus does not impact differentiation of human embryonic stem cells towards endoderm. PloS one, 9(12), e114275.

Ou W, et al. (2013) Targeting of herpes simplex virus 1 thymidine kinase gene sequences into the OCT4 locus of human induced pluripotent stem cells. PloS one, 8(11), e81131.