

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

ES-FUCCI

RRID:Addgene_62451

Type: Plasmid

Proper Citation

RRID:Addgene_62451

Plasmid Information

URL: <http://www.addgene.org/62451>

Proper Citation: RRID:Addgene_62451

Insert Name: minPGK::Citrine-Geminin(1-110)-bGHpA (PGKEnhancer)x5

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25909630](#)

Vector Backbone Description: Backbone Size:1950; Vector Backbone:SMX_DEST;
Vector Types:Synthetic Biology; Bacterial Resistance:Ampicillin

Plasmid Name: ES-FUCCI

Record Creation Time: 20220422T222358+0000

Record Last Update: 20260729T041952+0000

Ratings and Alerts

No rating or validation information has been found for ES-FUCCI.

No alerts have been found for ES-FUCCI.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Lerra L, et al. (2024) An RNA-dependent and phase-separated active subnuclear compartment safeguards repressive chromatin domains. *Molecular cell*, 84(9), 1667.

Abounar SA, et al. (2024) CRISPR/Cas-Mediated Knockdown of PD-L1 and KRAS in Lung Cancer Cells. *International journal of molecular sciences*, 25(16).

Kim R, et al. (2024) Human induced pluripotent stem cells for live cell cycle monitoring and endogenous gene activation. *Stem cell research*, 80, 103531.

Perlee S, et al. (2023) SETD1A function in leukemia is mediated through interaction with mitotic regulators BuGZ/BUB3. *EMBO reports*, 24(10), e57108.

Perera M, et al. (2022) Transcriptional heterogeneity and cell cycle regulation as central determinants of Primitive Endoderm priming. *eLife*, 11.

Mathews J, et al. (2022) Ion Channel Drugs Suppress Cancer Phenotype in NG108-15 and U87 Cells: Toward Novel Electroceuticals for Glioblastoma. *Cancers*, 14(6).

Park D, et al. (2022) Interaction of Wwox with Brca1 and associated complex proteins prevents premature resection at double-strand breaks and aberrant homologous recombination. *DNA repair*, 110, 103264.

Knudsen ES, et al. (2021) Targeting dual signalling pathways in concert with immune checkpoints for the treatment of pancreatic cancer. *Gut*, 70(1), 127.

Asenjo HG, et al. (2020) Polycomb regulation is coupled to cell cycle transition in pluripotent stem cells. *Science advances*, 6(10), eaay4768.

Lodge EK, et al. (2020) Pharmacologic inhibition of N-linked glycan trimming with kifunensine disrupts GLUT1 trafficking and glucose uptake. *Biochimie*, 174, 18.

Fomicheva M, et al. (2020) Genome-wide CRISPR screen identifies noncanonical NF- κ B signaling as a regulator of density-dependent proliferation. *eLife*, 9.

Petitjean O, et al. (2020) Genome-Wide CRISPR-Cas9 Screen Reveals the Importance of the Heparan Sulfate Pathway and the Conserved Oligomeric Golgi Complex for Synthetic Double-Stranded RNA Uptake and Sindbis Virus Infection. *mSphere*, 5(6).

Fairchild CLA, et al. (2019) Let-7 regulates cell cycle dynamics in the developing cerebral cortex and retina. *Scientific reports*, 9(1), 15336.

Chung S, et al. (2019) Coordinately Targeting Cell-Cycle Checkpoint Functions in Integrated Models of Pancreatic Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 25(7), 2290.

Chung D, et al. (2019) Inhibition of neddylation induces mitotic defects and alters MKLP1 accumulation at the midbody during cytokinesis. *Cell cycle (Georgetown, Tex.)*, 18(10), 1135.

Hoshii T, et al. (2018) A Non-catalytic Function of SETD1A Regulates Cyclin K and the DNA Damage Response. *Cell*, 172(5), 1007.