

Resource Summary Report

Generated by [dkNET](#) on Aug 5, 2026

AAVS1-CAG-hrGFP

RRID:Addgene_52344

Type: Plasmid

Proper Citation

RRID:Addgene_52344

Plasmid Information

URL: <http://www.addgene.org/52344>

Proper Citation: RRID:Addgene_52344

Insert Name: hrGFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24497442](#)

Vector Backbone Description: Backbone Size:8085; Vector Backbone:AAVS1-CAG; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that this plasmid is NOT the inducible AAVS1-TRE3G-EGFP construct described in the associated publication.

Plasmid Name: AAVS1-CAG-hrGFP

Record Creation Time: 20220422T222307+0000

Record Last Update: 20260801T081434+0000

Ratings and Alerts

No rating or validation information has been found for AAVS1-CAG-hrGFP.

No alerts have been found for AAVS1-CAG-hrGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Ashmore-Harris C, et al. (2025) Gene editing enables non-invasive in vivo PET imaging of human induced pluripotent stem cell-derived liver bud organoids. *Molecular therapy. Methods & clinical development*, 33(1), 101406.

Shen S, et al. (2025) Atlas of multilineage stem cell differentiation reveals TMEM88 as a developmental regulator of blood pressure. *Nature communications*, 16(1), 1356.

Sönmez M, et al. (2025) Modulation of cardiomyocyte contractility and action potentials with chemogenetic chloride currents. *The Journal of physiology*, 603(6), 1399.

Niu B, et al. (2025) Deciphering signaling mechanisms and developmental dynamics in extraembryonic mesoderm specification from hESCs. *Nature communications*, 16(1), 4688.

Chen X, et al. (2025) Human iPSC-derived microglial cells protect neurons from neurodegeneration in long-term cultured adhesion brain organoids. *Communications biology*, 8(1), 30.

Yang H, et al. (2024) Identification and characterization of TM4SF1+ tumor self-seeded cells. *Cell reports*, 43(7), 114512.

Ren Y, et al. (2024) Circular RNA as a source of neoantigens for cancer vaccines. *Journal for immunotherapy of cancer*, 12(3).

Yang X, et al. (2023) Kirigami electronics for long-term electrophysiological recording of human neural organoids and assembloids. *bioRxiv : the preprint server for biology*.

Meng X, et al. (2023) Assembloid CRISPR screens reveal impact of disease genes in human neurodevelopment. *Nature*, 622(7982), 359.

Mojica-Perez SP, et al. (2023) Protocol for selecting single human pluripotent stem cells using a modified micropipetter. *STAR protocols*, 4(4), 102629.

Berzanskyte I, et al. (2023) Enrichment of human embryonic stem cell-derived V3 interneurons using an Nkx2-2 gene-specific reporter. *Scientific reports*, 13(1), 2008.

Schwarzová B, et al. (2023) Modulating cardiac physiology in engineered heart tissue with the bidirectional optogenetic tool BiPOLES. *Pflügers Archiv : European journal of physiology*, 475(12), 1463.

Ai Z, et al. (2023) Dissecting peri-implantation development using cultured human embryos and embryo-like assembloids. *Cell research*, 33(9), 661.

Wen J, et al. (2023) Loss of function of FIP200 in human pluripotent stem cell-derived neurons leads to axonal pathology and hyperactivity. *Translational psychiatry*, 13(1), 143.

Upadhyaya D, et al. (2022) Grafted hPSC-derived GABA-ergic interneurons regulate seizures and specific cognitive function in temporal lobe epilepsy. NPJ Regenerative medicine, 7(1), 38.

Xi J, et al. (2022) LncRNA SOX1-OT V1 acts as a decoy of HDAC10 to promote SOX1-dependent hESC neuronal differentiation. EMBO reports, 23(2), e53015.

Ho BX, et al. (2022) Robust generation of human-chambered cardiac organoids from pluripotent stem cells for improved modelling of cardiovascular diseases. Stem cell research & therapy, 13(1), 529.

Möller L, et al. (2022) Recursive Editing improves homology-directed repair through retargeting of undesired outcomes. Nature communications, 13(1), 4550.

Chao J, et al. (2022) Therapeutic development for Canavan disease using patient iPSCs introduced with the wild-type ASPA gene. iScience, 25(6), 104391.

Stüdemann T, et al. (2022) Contractile Force of Transplanted Cardiomyocytes Actively Supports Heart Function After Injury. Circulation, 146(15), 1159.