

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pAAVS1-PC-GCaMP6f

RRID:Addgene_73503

Type: Plasmid

Proper Citation

RRID:Addgene_73503

Plasmid Information

URL: <http://www.addgene.org/73503>

Proper Citation: RRID:Addgene_73503

Insert Name: GCaMP6f

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26971820](#)

Vector Backbone Description: Backbone Size:3356; Vector Backbone:pAAVS1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pAAVS1-PC-GCaMP6f

Record Creation Time: 20220422T222450+0000

Record Last Update: 20260815T081929+0000

Ratings and Alerts

No rating or validation information has been found for pAAVS1-PC-GCaMP6f.

No alerts have been found for pAAVS1-PC-GCaMP6f.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Jun Y, et al. (2025) Engineered vasculature induces functional maturation of pluripotent stem cell-derived islet organoids. *Developmental cell*.

Sun W, et al. (2025) TAB2 deficiency induces dilated cardiomyopathy by promoting mitochondrial calcium overload in human iPSC-derived cardiomyocytes. *Molecular medicine (Cambridge, Mass.)*, 31(1), 42.

Que Z, et al. (2024) Human iPSC-derived microglia sense and dampen hyperexcitability of cortical neurons carrying the epilepsy-associated SCN2A-L1342P mutation. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(3).

Zhang J, et al. (2024) PLEKHM2 deficiency induces impaired mitochondrial clearance and elevated ROS levels in human iPSC-derived cardiomyocytes. *Cell death discovery*, 10(1), 142.

Jiang Y, et al. (2022) Ranolazine rescues the heart failure phenotype of PLN-deficient human pluripotent stem cell-derived cardiomyocytes. *Stem cell reports*, 17(4), 804.

Li X, et al. (2019) MLP-deficient human pluripotent stem cell derived cardiomyocytes develop hypertrophic cardiomyopathy and heart failure phenotypes due to abnormal calcium handling. *Cell death & disease*, 10(8), 610.