

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

Rc/CMV cyclin D2

RRID:Addgene_8958

Type: Plasmid

Proper Citation

RRID:Addgene_8958

Plasmid Information

URL: <http://www.addgene.org/8958>

Proper Citation: RRID:Addgene_8958

Insert Name: cyclin D2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15684604](#)

Vector Backbone Description: Backbone Size:5542; Vector Backbone:pRc/CMV; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Full-length cyclin D2 cDNA excised from Bluescript SK+ with NcoI and XbaI and subcloned into Rc/CMV along with a HindIII to NcoI fragment of the cyclin D1 5'UTS that enhances expression. See author's map.

Plasmid Name: Rc/CMV cyclin D2

Record Creation Time: 20220422T222609+0000

Record Last Update: 20260902T050446+0000

Ratings and Alerts

No rating or validation information has been found for Rc/CMV cyclin D2.

No alerts have been found for Rc/CMV cyclin D2.

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](#) .

Joshi J, et al. (2022) Optogenetic Control of Engrafted Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes in Live Mice: A Proof-of-Concept Study. *Cells*, 11(6).

Zhao M, et al. (2021) Cyclin D2 Overexpression Enhances the Efficacy of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes for Myocardial Repair in a Swine Model of Myocardial Infarction. *Circulation*, 144(3), 210.

Müller A, et al. (2020) The CDK4/6-EZH2 pathway is a potential therapeutic target for psoriasis. *The Journal of clinical investigation*, 130(11), 5765.

Chang Y, et al. (2020) Fluorescent indicators for continuous and lineage-specific reporting of cell-cycle phases in human pluripotent stem cells. *Biotechnology and bioengineering*, 117(7), 2177.

Zhu W, et al. (2018) CCND2 Overexpression Enhances the Regenerative Potency of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes: Remuscularization of Injured Ventricle. *Circulation research*, 122(1), 88.

Potapova TA, et al. (2016) Transcriptome analysis of tetraploid cells identifies cyclin D2 as a facilitator of adaptation to genome doubling in the presence of p53. *Molecular biology of the cell*, 27(20), 3065.