

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

pCMX/cyclinB1-GFP (27)

RRID:Addgene_26061

Type: Plasmid

Proper Citation

RRID:Addgene_26061

Plasmid Information

URL: <http://www.addgene.org/26061>

Proper Citation: RRID:Addgene_26061

Insert Name: Cyclin B1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10395539](#)

Vector Backbone Description: Backbone Size:4500; Vector Backbone:pCMX; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The stop codon of cyclin B1 in the pCMX vector was mutated to a Mfe1 site to link cyclin B1 to MmGFP. Cyclin B1 was fused to the second amino acid residue of MmGFP by a 5 amino acid linker (AGAQF). The construct is cloned as a HindIII-BamHI fragment into pCMX. The Cyclin insert contains a V5A polymorphism which has no functional consequence. More information on MmGFP can be found in the following reference: Zernicka-Goetz, M., Pines, J., M., Ryan, K., Siemering, K.R., Haseloff, J., and Gurdon, J.B. (1996) 'An indelible lineage marker for Xenopus using a mutated green fluorescent protein.

Plasmid Name: pCMX/cyclinB1-GFP (27)

Record Creation Time: 20220422T222116+0000

Record Last Update: 20260902T045132+0000

Ratings and Alerts

No rating or validation information has been found for pCMX/cyclinB1-GFP (27).

No alerts have been found for pCMX/cyclinB1-GFP (27).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Tones J, et al. (2025) Coiled-coil interactions drive ectopic condensation of overexpressed MAD1 to promote mitotic slippage in cancer cells. bioRxiv : the preprint server for biology.

Tones J, et al. (2025) Coiled-coil interactions drive the ectopic condensation of overexpressed MAD1 to promote mitotic slippage in cancer cells. iScience, 28(10), 113638.

Mihajlovi? AI, et al. (2023) Spindle assembly checkpoint insensitivity allows meiosis-II despite chromosomal defects in aged eggs. EMBO reports, 24(11), e57227.

Allais A, et al. (2022) Absence of a robust mitotic timer mechanism in early preimplantation mouse embryos leads to chromosome instability. Development (Cambridge, England), 149(13).

Misek SA, et al. (2022) BRAF Inhibitor Resistance Confers Increased Sensitivity to Mitotic Inhibitors. Frontiers in oncology, 12, 766794.

Jin X, et al. (2017) Synergistic activity of the histone deacetylase inhibitor trichostatin A and the proteasome inhibitor PS-341 against taxane-resistant ovarian cancer cell lines. Oncology letters, 13(6), 4619.

Jones PD, et al. (2016) The Coronary Artery Disease-associated Coding Variant in Zinc Finger C3HC-type Containing 1 (ZC3HC1) Affects Cell Cycle Regulation. The Journal of biological chemistry, 291(31), 16318.