

Resource Summary Report

Generated by [kravitz2](#) on Aug 23, 2026

pCAGFP

RRID:Addgene_32748

Type: Plasmid

Proper Citation

RRID:Addgene_32748

Plasmid Information

URL: <http://www.addgene.org/32748>

Proper Citation: RRID:Addgene_32748

Insert Name: GFP

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:21558267](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:3970; Vector Backbone:pmKate2-C; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: The gene for dark GFP (S65T) (referred to as GFP from this point forward) was created by PCR amplifying the GFP gene using a reverse primer that also encoded the 27 amino acid quenching peptide derived from the transmembrane region of influenza M2. A sequence encoding the linker (LEVLFQGP) was then inserted between the EGFP and M2 genes using the QuikChange mutagenesis (Stratagene) approach. The newly inserted linker sequence was then mutated to encode the caspase-7 cleavage recognition site (DEVDFQGP). The final sequence of CA-GFP protein is GFP with the fusion of DEVDFQGPCNDSSDPLVVAASIIGILHLILWILDRL at the C terminus. This construct was used for expression and purification of CA-GFP.

Plasmid Name: pCAGFP

Relevant Mutation: S65T

Record Creation Time: 20220422T222142+0000

Record Last Update: 20260815T081349+0000

Ratings and Alerts

No rating or validation information has been found for pCAGFP.

No alerts have been found for pCAGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Keyan KS, et al. (2023) E3 Ubiquitin Ligase TRIP12 Controls Exit from Mitosis via Positive Regulation of MCL-1 in Response to Taxol. *Cancers*, 15(2).

Dey DK, et al. (2020) Weissella confusa DD_A7 pre-treatment to zebrafish larvae ameliorates the inflammation response against Escherichia coli O157:H7. *Microbiological research*, 237, 126489.

Rahman SMT, et al. (2020) Optical control of MAP kinase kinase 6 (MKK6) reveals that it has divergent roles in pro-apoptotic and anti-proliferative signaling. *The Journal of biological chemistry*, 295(25), 8494.