

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

pCAG-EGFP/RFP-int

RRID:Addgene_19818

Type: Plasmid

Proper Citation

RRID:Addgene_19818

Plasmid Information

URL: <http://www.addgene.org/19818>

Proper Citation: RRID:Addgene_19818

Insert Name: empty vector

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18840295](#)

Vector Backbone Description: Backbone Size:8200; Vector Backbone:pZ/AP; Vector Types:Mammalian Expression, RNAi, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: The lacZ and the human placental alkaline phosphatase (AP) genes in the pZ/AP vector were replaced with EGFP, synthesized by PCR from pEGFP-N1 (Clontech), and RFP, synthesized by PCR from pDsRed2-C1 (Clontech), respectively. One cryptic start codon at the 5'UTR of the original AP gene that was not in frame was eliminated. These modifications produced a conditional vector for miRNA expression, pCAG-EGFP/RFP. A synthetic artificial intron was designed to contain typical intron splicing regulatory elements. This intron was placed 10 nt-downstream of the stop codon of the RFP gene to avoid NMD.

Plasmid Name: pCAG-EGFP/RFP-int

Record Creation Time: 20220422T222048+0000

Record Last Update: 20260808T081355+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-EGFP/RFP-int.

No alerts have been found for pCAG-EGFP/RFP-int.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.