

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

pcDNA3.1-Orange_CaMBI_110

RRID:Addgene_124094

Type: Plasmid

Proper Citation

RRID:Addgene_124094

Plasmid Information

URL: <http://www.addgene.org/124094>

Proper Citation: RRID:Addgene_124094

Insert Name: Orange CaMBI 110

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30936501](#)

Vector Backbone Description: Backbone Size:6330; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The C-terminal copy of the CyOFP coding sequence is codon diversified to facilitate molecular biology procedures on Orange CaMBI and reduce the possibility of recombination between the two copies of the CyOFP coding sequence.

Plasmid Name: pcDNA3.1-Orange_CaMBI_110

Record Creation Time: 20220422T221650+0000

Record Last Update: 20260815T080402+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1-Orange_CaMBI_110.

No alerts have been found for pcDNA3.1-Orange_CaMBI_110.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Lambert GG, et al. (2023) CaBLAM! A high-contrast bioluminescent Ca²⁺ indicator derived from an engineered *Oplophorus gracilirostris* luciferase. bioRxiv : the preprint server for biology.

Tian X, et al. (2022) A luciferase prosubstrate and a red bioluminescent calcium indicator for imaging neuronal activity in mice. Nature communications, 13(1), 3967.