

# Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

## CMV-B-GECO1

RRID:Addgene\_32448

Type: Plasmid

### Proper Citation

RRID:Addgene\_32448

### Plasmid Information

**URL:** <http://www.addgene.org/32448>

**Proper Citation:** RRID:Addgene\_32448

**Insert Name:** B-GECO1.0

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:21903779](#)

**Vector Backbone Description:** Backbone Size:3200; Vector Backbone:Customized Vector; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Comments:** Note: Could not make stable cell line using this vector. There is 1bp mismatch between Addgene's quality control sequence and the provided depositor's sequence, P5S in protein sequence. This mutation should not affect the protein function and the depositing lab confirmed that in vivo experiment before.

**Plasmid Name:** CMV-B-GECO1

**Relevant Mutation:** GCaMP3

S40P/L60P/D86G/K119I/L173Q/T223S/Y224H/D305G/R377P/K380Q/ S404G

**Record Creation Time:** 20220422T222141+0000

**Record Last Update:** 20260815T081346+0000

### Ratings and Alerts

No rating or validation information has been found for CMV-B-GECO1.

No alerts have been found for CMV-B-GECO1.

### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Guo J, et al. (2022) CamelliA-based simultaneous imaging of Ca<sup>2+</sup> dynamics in subcellular compartments. *Plant physiology*, 188(4), 2253.

Zhang S, et al. (2020) A general strategy to red-shift green fluorescent protein-based biosensors. *Nature chemical biology*, 16(12), 1434.

Vella SA, et al. (2020) Genetic Indicators for Calcium Signaling Studies in *Toxoplasma gondii*. *Methods in molecular biology* (Clifton, N.J.), 2071, 187.

Schifferer M, et al. (2017) A Ratiometric Sensor for Imaging Insulin Secretion in Single ?? Cells. *Cell chemical biology*, 24(4), 525.