

Resource Summary Report

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

CMV-G-GECO1.2

RRID:Addgene_32446

Type: Plasmid

Proper Citation

RRID:Addgene_32446

Plasmid Information

URL: <http://www.addgene.org/32446>

Proper Citation: RRID:Addgene_32446

Insert Name: G-GECO1.2

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.

Plasmid Name: CMV-G-GECO1.2

Relevant Mutation: GCaMP3 K69E/N77Y/D86G/K119I/L173Q/D260G/S404G/E430V

Record Creation Time: 20220422T222141+0000

Record Last Update: 20260815T081341+0000

Ratings and Alerts

No rating or validation information has been found for CMV-G-GECO1.2.

No alerts have been found for CMV-G-GECO1.2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Rice KL, et al. (2022) Localized TPC1-mediated Ca^{2+} release from endolysosomes contributes to myoseptal junction development in zebrafish. *Journal of cell science*, 135(9).

Atakpa P, et al. (2018) IP3 Receptors Preferentially Associate with ER-Lysosome Contact Sites and Selectively Deliver Ca^{2+} to Lysosomes. *Cell reports*, 25(11), 3180.

Berlin S, et al. (2015) Photoactivatable genetically encoded calcium indicators for targeted neuronal imaging. *Nature methods*, 12(9), 852.

Pech U, et al. (2013) Mushroom body miscellanea: transgenic *Drosophila* strains expressing anatomical and physiological sensor proteins in Kenyon cells. *Frontiers in neural circuits*, 7, 147.