Resource Summary Report

Generated by RRID on Aug 24, 2026

CMV-Mito4x-GCaMP6f

RRID:Addgene_127870
Type: Plasmid

Proper Citation

RRID:Addgene_127870

Plasmid Information

URL: http://www.addgene.org/127870

Proper Citation: RRID:Addgene_127870

Insert Name: 4 repeats of COX8 signal peptide plus GCaMP6f

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:31862210

Vector Backbone Description: Backbone Size:5433; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: CMV-Mito4x-GCaMP6f

Record Creation Time: 20220422T221711+0000

Record Last Update: 20260815T080441+0000

Ratings and Alerts

No rating or validation information has been found for CMV-Mito4x-GCaMP6f.

No alerts have been found for CMV-Mito4x-GCaMP6f.

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 .

Paton CD, et al. (2026) Kv2-VAP interactions enhance presynaptic ER and mitochondrial calcium influx and the mobilization of vesicles from the reserve pool. bioRxiv : the preprint server for biology.

Chandra S, et al. (2024) Mitochondrial Calcium Transport During Autophagy Initiation. Mitochondrial communications, 2, 14.

Doser RL, et al. (2024) Activity-dependent mitochondrial ROS signaling regulates recruitment of glutamate receptors to synapses. eLife, 13.

Noble M, et al. (2024) The MCU and MCUb amino-terminal domains tightly interact: mechanisms for low conductance assembly of the mitochondrial calcium uniporter complex. iScience, 27(5), 109699.