

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

ER-GCaMP6-210

RRID:Addgene_86919

Type: Plasmid

Proper Citation

RRID:Addgene_86919

Plasmid Information

URL: <http://www.addgene.org/86919>

Proper Citation: RRID:Addgene_86919

Insert Name: ER-GCaMP6-210

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28162809](#)

Vector Backbone Description: Backbone Size:9246; Vector Backbone:FCK(1.3)GW;
Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: ER-GCaMP6-210

Relevant Mutation: K78H, T302L, R303P, A317E, D324G, D360G, D380Y, T381R,
S383T, R392G, D397G in GCaMP3

Record Creation Time: 20220422T222558+0000

Record Last Update: 20260815T082138+0000

Ratings and Alerts

No rating or validation information has been found for ER-GCaMP6-210.

No alerts have been found for ER-GCaMP6-210.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Jain A, et al. (2025) Author Correction: Dendritic, delayed, stochastic CaMKII activation in behavioural time scale plasticity. *Nature*, 644(8077), E35.

Mallmann RT, et al. (2025) Small molecule agonist TPC2-A1-N increases intracellular Ca²⁺ independent of two-pore channels. *The Journal of biological chemistry*, 301(9), 110576.

Benedetti L, et al. (2024) Periodic ER-plasma membrane junctions support long-range Ca²⁺ signal integration in dendrites. *Cell*.

Liiv M, et al. (2024) ER calcium depletion as a key driver for impaired ER-to-mitochondria calcium transfer and mitochondrial dysfunction in Wolfram syndrome. *Nature communications*, 15(1), 6143.

Woo MS, et al. (2024) STING orchestrates the neuronal inflammatory stress response in multiple sclerosis. *Cell*, 187(15), 4043.

Guo L, et al. (2023) Disruption of ER ion homeostasis maintained by an ER anion channel CLCC1 contributes to ALS-like pathologies. *Cell research*, 33(7), 497.

Oliva MK, et al. (2020) Endoplasmic Reticulum Lumenal Indicators in Drosophila Reveal Effects of HSP-Related Mutations on Endoplasmic Reticulum Calcium Dynamics. *Frontiers in neuroscience*, 14, 816.