

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 25, 2025

4MT-D3-CPV

RRID:Addgene_58184

Type: Plasmid

Proper Citation

RRID:Addgene_58184

Plasmid Information

URL: <http://www.addgene.org/58184>

Proper Citation: RRID:Addgene_58184

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:](#)

Vector Backbone Description: Vector Backbone:Unknown; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: ECFP/Venus mitochondrial-targeted calcium biosensor. Excitation = 433 / 515 ; Emission = 475 / 528

Plasmid Name: 4MT-D3-CPV

Record Creation Time: 20220422T222337+0000

Record Last Update: 20230915T081203+0000

Ratings and Alerts

No rating or validation information has been found for 4MT-D3-CPV.

No alerts have been found for 4MT-D3-CPV.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Nguyen HT, et al. (2023) CDN1163, an activator of sarco/endoplasmic reticulum Ca^{2+} ATPase, up-regulates mitochondrial functions and protects against lipotoxicity in pancreatic β -cells. British journal of pharmacology, 180(21), 2762.