

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on May 3, 2024

CAG::PSAML141F,Y115F:GlyR-IRES-GFP

RRID:Addgene_32480

Type: Plasmid

Proper Citation

RRID:Addgene_32480

Plasmid Information

URL: <http://www.addgene.org/32480>

Proper Citation: RRID:Addgene_32480

Insert Name: PSAML141F,Y115F:GlyR

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21885782](https://pubmed.ncbi.nlm.nih.gov/21885782/)

Vector Backbone Description: Backbone Size:7200; Vector Backbone:pCAGGS- IRES-GFP; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Note on the difference between PSAMY115F,L141F:GlyR and PSAML141F:GlyR silencers: In Magnus et al, the PSAMY115F,L141F-GlyR channel was emphasized for silencing because this channel has the lowest acetylcholine responsiveness. However, PSAML141F-GlyR constructs, lacking the Y115F mutation, already have low ACh potency. The Y115F mutation also slightly increases the EC50 for the activator ligand, PSEM89S. Since PSAML141F-GlyR constructs already have very low acetylcholine potency, in many cases it may not be worth the slight reduction in PSEM potency. We have made both constructs available for researchers who may find that they have different requirements with respect to acetylcholine responsiveness.

Plasmid Name: CAG::PSAML141F,Y115F:GlyR-IRES-GFP

Ratings and Alerts

No rating or validation information has been found for CAG::PSAML141F,Y115F:GlyR-IRES-GFP.

No alerts have been found for CAG::PSAML141F,Y115F:GlyR-IRES-GFP.

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](#).

Stüdemann T, et al. (2022) Contractile Force of Transplanted Cardiomyocytes Actively Supports Heart Function After Injury. Circulation, 146(15), 1159.