

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

sfGFP-Cx43K258stop

RRID:Addgene_69025

Type: Plasmid

Proper Citation

RRID:Addgene_69025

Plasmid Information

URL: <http://www.addgene.org/69025>

Proper Citation: RRID:Addgene_69025

Insert Name: Cx43

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:26265468](#)

Vector Backbone Description: Vector Backbone:EGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Note all connexins tested that have a fluorescent protein fused to the connexin amino-terminus do not form functional channels. This plasmid forms gap junction plaque structures but does not produce intercellular coupling.

Plasmid Name: sfGFP-Cx43K258stop

Relevant Mutation: non-monomerized sfGFP fused in frame to N-terminus of truncated Cx43delete codons 258-381 of the Cx43 CDS

Record Creation Time: 20220422T222429+0000

Record Last Update: 20260725T075039+0000

Ratings and Alerts

No rating or validation information has been found for sfGFP-Cx43K258stop.

No alerts have been found for sfGFP-Cx43K258stop.

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 [NIF](#) .

Fonseca JP, et al. (2022) Analysis of localized cAMP perturbations within a tissue reveal the effects of a local, dynamic gap junction state on ERK signaling. PLoS computational biology, 18(3), e1009873.