

# Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

## sfGFP-Cx43K258stop

RRID:Addgene\_69025

Type: Plasmid

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### Proper Citation

RRID:Addgene\_69025

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### 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:** 20260808T082036+0000

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### Ratings and Alerts

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

No alerts have been found for sfGFP-Cx43K258stop.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

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.