

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

Cx43K258stop-msfGFP

RRID:Addgene_69023

Type: Plasmid

Proper Citation

RRID:Addgene_69023

Plasmid Information

URL: <http://www.addgene.org/69023>

Proper Citation: RRID:Addgene_69023

Insert Name: Cx43

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:26265468](#)

Vector Backbone Description: Vector Backbone:EGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Addition of a fluorescent protein tag to the carboxyl-terminus of Cx43 has been shown to eliminate or attenuate interactions with ZO-1 and Occludin in cell culture. Other binding interactions and channel gating properties may be affected.

Plasmid Name: Cx43K258stop-msfGFP

Relevant Mutation: delete codons 258-381 and fuse in frame to monomeric superfolder GFP

Record Creation Time: 20220422T222429+0000

Record Last Update: 20260725T075039+0000

Ratings and Alerts

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

No alerts have been found for Cx43K258stop-msfGFP.

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](#) .

Mickus R, et al. (2024) Phosphorylation-dependent allosteric regulation of Cx43 gap junction inhibitor potency. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 174, 116550.