

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pCAGGS-mNG-eDHFR(69K6)-G-alpha-q

RRID:Addgene_172106

Type: Plasmid

Proper Citation

RRID:Addgene_172106

Plasmid Information

URL: <http://www.addgene.org/172106>

Proper Citation: RRID:Addgene_172106

Insert Name: mNeonGreen-eDHFR(69K6)-G?q

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:35835118](#)

Vector Backbone Description: Backbone Marker:Dr. Jun-ichi Miyazaki (Osaka University, Japan); Backbone Size:4912; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The chemical mDcTMP, to control protein translocation, can be obtained from Funakoshi Co., Ltd. https://www.funakoshi.co.jp/exports_contents/95015. Please visit <https://www.biorxiv.org/content/10.1101/2021.03.16.435568v1> for bioRxiv preprint.

Plasmid Name: pCAGGS-mNG-eDHFR(69K6)-G-alpha-q

Relevant Mutation: G?q: C9S/C10S/Q209L

Record Creation Time: 20220716T080211+0000

Record Last Update: 20260902T042844+0000

Ratings and Alerts

No rating or validation information has been found for pCAGGS-mNG-eDHFR(69K6)-G-alpha-q.

No alerts have been found for pCAGGS-mNG-eDHFR(69K6)-G-alpha-q.

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 [RRID](#) .

Suzuki S, et al. (2022) A chemogenetic platform for controlling plasma membrane signaling and synthetic signal oscillation. Cell chemical biology, 29(9), 1446.