

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 10, 2026

pAAV-Syn-ChromeQ-GFP

RRID:Addgene_123317

Type: Plasmid

Proper Citation

RRID:Addgene_123317

Plasmid Information

URL: <http://www.addgene.org/123317>

Proper Citation: RRID:Addgene_123317

Insert Name: ChromeQ-GFP

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30610117](#)

Vector Backbone Description: Backbone Marker:original from Stratagene; Backbone Size:4708; Vector Backbone:pAAV-Syn; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: The plasmid is fully sequenced in the coding sequence regions (opsin-fluorophore and important flanking regions). Multiple digestions were done to verify the vector structure. The construct and the virus were both tested in vitro.

Plasmid Name: pAAV-Syn-ChromeQ-GFP

Relevant Mutation: Channelrhodopsin-2 (ChR2) with mutations A71S/E90A/H114G/R115S

Record Creation Time: 20220422T221645+0000

Record Last Update: 20260808T080634+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-Syn-ChromeQ-GFP.

No alerts have been found for pAAV-Syn-ChromeQ-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.