Resource Summary Report

Generated by RRID on Aug 19, 2026

G protein alpha-o-YFP

RRID:Addgene_55776
Type: Plasmid

Proper Citation

RRID:Addgene_55776

Plasmid Information

URL: http://www.addgene.org/55776

Proper Citation: RRID:Addgene_55776

Insert Name: G protein alpha-o internally tagged with EYFP and EE epitope

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:17596375

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:4800; Vector Backbone:pcDNA1/amp; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: G protein alpha-o-YFP

Relevant Mutation: A BglII site was removed from the 5' untranslated region of alpha-oEE and then a unique BglII site was introduced in frame between Pro119 and Phe120 into which EYFP containing a substitution of Met for Gln69 and flanked on both ends by a SGGGGS linker was inserted as a BamHI cassette (destroying both the BglII and BamHI sites).

Record Creation Time: 20220422T222326+0000

Record Last Update: 20260815T081653+0000

Ratings and Alerts

No rating or validation information has been found for G protein alpha-o-YFP.

No alerts have been found for G protein alpha-o-YFP.

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 .

Maziarz M, et al. (2020) Revealing the Activity of Trimeric G-proteins in Live Cells with a Versatile Biosensor Design. Cell, 182(3), 770.