

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

G protein alpha-s-CFP

RRID:Addgene_55793

Type: Plasmid

Proper Citation

RRID:Addgene_55793

Plasmid Information

URL: <http://www.addgene.org/55793>

Proper Citation: RRID:Addgene_55793

Insert Name: G-alpha-s-EE-ECFP

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15297467](#)

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

Comments: Reference for alpha-s-EE: Wilson, P. T., and Bourne, H. R. (1995) Fatty acylation of ?z. Effects of palmitoylation and myristoylation on ?z signaling. J. Biol. Chem. 270, 9667-9675

Plasmid Name: G protein alpha-s-CFP

Relevant Mutation: His was substituted for Asn164 in ECFP (Clontech). BamHI sites in the alpha-s cDNA were removed and alpha-s residues 73-84 were replaced with Gly-Ser adding a unique BamHI site into which ECFP was subcloned.

Record Creation Time: 20220422T222326+0000

Record Last Update: 20260902T045730+0000

Ratings and Alerts

No rating or validation information has been found for G protein alpha-s-CFP.

No alerts have been found for G protein alpha-s-CFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Shen A, et al. (2019) β -blockers augment L-type Ca^{2+} channel activity by targeting spatially restricted $\beta 2\text{AR}$ signaling in neurons. eLife, 8.

Patriarchi T, et al. (2018) Nanodelivery of a functional membrane receptor to manipulate cellular phenotype. Scientific reports, 8(1), 3556.