

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

ss-cfSGFP2

RRID:Addgene_37535

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/37535>

Proper Citation: RRID:Addgene_37535

Insert Name: ss-cfSGFP2 (cysteine-free SGFP2)

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:22649538](#)

Vector Backbone Description: Backbone Marker:Clonotech; Backbone Size:4105; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: This plasmid is used for expression of cfSGFP2 in the ER. The cleaved signal sequence of ?1-antitrypsin (M1-K34) was fused to the N-terminus of SGFP2 using BglII and EcoRI sites. The fragment M1-A24 should be removed cotranslationally after translocation. The long flanking sequence E25-K34 of ?1-antitrypsin was included to ensure access to signal peptidase

Plasmid Name: ss-cfSGFP2

Record Creation Time: 20220422T222159+0000

Record Last Update: 20260815T081415+0000

Ratings and Alerts

No rating or validation information has been found for ss-cfSGFP2.

No alerts have been found for ss-cfSGFP2.

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](#) .

Frazier CL, et al. (2024) Engineered reactivity of a bacterial E1-like enzyme enables ATP-driven modification of protein C termini. bioRxiv : the preprint server for biology.