

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pRSM4

RRID:Addgene_101642

Type: Plasmid

Proper Citation

RRID:Addgene_101642

Plasmid Information

URL: <http://www.addgene.org/101642>

Proper Citation: RRID:Addgene_101642

Insert Name: KCyG4219

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28530831](#)

Vector Backbone Description: Vector Backbone:pNCS; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: The fluorescent protein sequence comes from the following publication: Kikuchi A.; Fukumura E.; Karasawa S.; Shiro Y.; Miyawaki A. Crystal Structure of a New Cyan Fluorescent Protein and Its Hue-Shifted Variants. Biochemistry 2009, 48, 5276_528310.1021/bi801658p.

Plasmid Name: pRSM4

Relevant Mutation: C-terminal residues (221-223) deletion. Ser220Val, Lys11Arg, Phe13Tyr, Lys32Arg, Gln187Lys, Ala131Met, Asn200Glu, Cys67Ala, Gly205Lys. Insertion of Val between Met1 and Ser2.

Record Creation Time: 20220422T221454+0000

Record Last Update: 20260815T080020+0000

Ratings and Alerts

No rating or validation information has been found for pRSM4.

No alerts have been found for pRSM4.

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](#) .

Burr ML, et al. (2019) An Evolutionarily Conserved Function of Polycomb Silences the MHC Class I Antigen Presentation Pathway and Enables Immune Evasion in Cancer. Cancer cell, 36(4), 385.