

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pSM-GFPnovo2

RRID:Addgene_116943

Type: Plasmid

Proper Citation

RRID:Addgene_116943

Plasmid Information

URL: <http://www.addgene.org/116943>

Proper Citation: RRID:Addgene_116943

Insert Name: C. elegans codon optimized GFPnovo2

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32550394](#)

Vector Backbone Description: Backbone Marker:Cori Bargmann's lab; Backbone Size:3600; Vector Backbone:pSM; Vector Types:Worm Expression; Bacterial Resistance:Ampicillin

Comments: Please note that some discrepancies were found between Addgene's quality control and the depositor's full plasmid sequence. The depositor noted that the backbone was not sequenced, and these discrepancies do NOT affect plasmid function. GFPnovo2 was originally generated by Arakawa et al., (2008) Arakawa, H., Kudo, H., Batrak, V., Caldwell, R. B., Rieger, M. A., Ellwart, J. W., & Buerstedde, J.-M. (2008). Protein evolution by hypermutation and selection in the B cell line DT40. Nucleic Acids Research, 36(1), e1. <http://doi.org/10.1093/nar/gkm616>

Plasmid Name: pSM-GFPnovo2

Relevant Mutation: Y145F, V163A, S202T, L221V

Record Creation Time: 20220422T221613+0000

Record Last Update: 20260815T080249+0000

Ratings and Alerts

No rating or validation information has been found for pSM-GFPnovo2.

No alerts have been found for pSM-GFPnovo2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.