

# Resource Summary Report

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

## pSM-GFPnovo2

RRID:Addgene\_116943

Type: Plasmid

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### Proper Citation

RRID:Addgene\_116943

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### 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

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### Ratings and Alerts

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

No alerts have been found for pSM-GFPnovo2.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.