

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

SuperNova/pRSETB

RRID:Addgene_53234

Type: Plasmid

Proper Citation

RRID:Addgene_53234

Plasmid Information

URL: <http://www.addgene.org/53234>

Proper Citation: RRID:Addgene_53234

Insert Name: monomeric photosensitizing fluorescent protein for chromophore-assisted light inactivation

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24043132](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2900; Vector Backbone:pRSET-B; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Plasmid Name: SuperNova/pRSETB

Record Creation Time: 20220422T222312+0000

Record Last Update: 20260912T092838+0000

Ratings and Alerts

No rating or validation information has been found for SuperNova/pRSETB.

No alerts have been found for SuperNova/pRSETB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

McKnight CA, et al. (2025) The linker histone chaperone Prothymosin ?? (PTMA) is essential for efficient DNA damage repair and the recruitment of PARP1. Epigenetics & chromatin, 18(1), 32.

Mattedi F, et al. (2022) Detailed Imaging of Mitochondrial Transport and Precise Manipulation of Mitochondrial Function with Genetically Encoded Photosensitizers in Adult Drosophila Neurons. Methods in molecular biology (Clifton, N.J.), 2431, 385.

Onukwufor JO, et al. (2020) Quantification of reactive oxygen species production by the red fluorescent proteins KillerRed, SuperNova and mCherry. Free radical biology & medicine, 147, 1.

Toro-Tapia G, et al. (2020) Primary cilium remodeling mediates a cell signaling switch in differentiating neurons. Science advances, 6(21), eabb0601.