

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pH2B-PSmOrange2

RRID:Addgene_34960

Type: Plasmid

Proper Citation

RRID:Addgene_34960

Plasmid Information

URL: <http://www.addgene.org/34960>

Proper Citation: RRID:Addgene_34960

Insert Name: PSmOrange2

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:22900938](https://pubmed.ncbi.nlm.nih.gov/22900938/)

Vector Backbone Description: Backbone Marker:Clontech; Vector Backbone:pN1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: <https://www.ncbi.nlm.nih.gov/nuccore/JQ392581> There are D26G and V119I amino acid changes in Addgene's quality control sequence for H2B. It does not alter the function of this plasmid.

Plasmid Name: pH2B-PSmOrange2

Relevant Mutation: R17H, R36H, F64I, Q194L, A224S, G226A (mutations are relative to PSmOrange but numbering is relative to EGFP)

Record Creation Time: 20220422T222148+0000

Record Last Update: 20260725T074605+0000

Ratings and Alerts

No rating or validation information has been found for pH2B-PSmOrange2.

No alerts have been found for pH2B-PSmOrange2.

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 [NIF](#) .

Inazawa K, et al. (2025) Three-dimensional scanless patterned illumination using time-multiplexed multiline temporal focusing for multicell manipulation with single-cell resolution. Journal of biomedical optics, 30(7), 075003.