

Resource Summary Report

Generated by [nidm-terms](#) on Aug 10, 2026

NM9-SpCas9-NLS3

RRID:Addgene_128177

Type: Plasmid

Proper Citation

RRID:Addgene_128177

Plasmid Information

URL: <http://www.addgene.org/128177>

Proper Citation: RRID:Addgene_128177

Insert Name: SpCas9-NLS3

Organism: Rhodosporidium toruloides

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:31038202](#)

Vector Backbone Description: Backbone Marker:Zhao lab; Backbone Size:13658; Vector Backbone:pCAMBRIA; Vector Types:Yeast Expression, CRISPR; Bacterial Resistance:Kanamycin

Plasmid Name: NM9-SpCas9-NLS3

Record Creation Time: 20220422T221713+0000

Record Last Update: 20260808T080720+0000

Ratings and Alerts

No rating or validation information has been found for NM9-SpCas9-NLS3.

No alerts have been found for NM9-SpCas9-NLS3.

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 [nidm-terms](#) .

Chen X, et al. (2026) Establishment of a protoplast transformation method for the oleaginous yeast *Rhodotorula toruloides*. FEMS yeast research, 26.

Colarusso A, et al. (2025) Optimized vectors for genetic engineering of *Aureobasidium pullulans*. bioRxiv : the preprint server for biology.

Liu K, et al. (2024) Engineering non-conventional yeast *Rhodotorula toruloides* for ergothioneine production. Biotechnology for biofuels and bioproducts, 17(1), 65.

Brink DP, et al. (2023) Expanding the genetic toolbox of *Rhodotorula toruloides* by identification and validation of six novel promoters induced or repressed under nitrogen starvation. Microbial cell factories, 22(1), 160.