

# Resource Summary Report

Generated by [RRID](#) on Aug 24, 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:** 20260815T080444+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 [RRID](#) .

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.