

# Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

## pDD287 (mKate2<sup>SEC</sup>3xMyc

RRID:Addgene\_70685

Type: Plasmid

### Proper Citation

RRID:Addgene\_70685

### Plasmid Information

**URL:** <http://www.addgene.org/70685>

**Proper Citation:** RRID:Addgene\_70685

**Insert Name:** mKate2-C1<sup>SEC</sup>3xFlag

**Organism:** Caenorhabditis elegans

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:26044593](#)

**Vector Backbone Description:** Backbone Size:2600; Vector Backbone:pUC19 (modified); Vector Types:Worm Expression, Cre/Lox, CRISPR; Bacterial Resistance:Ampicillin

**Comments:** pDD287 is a derivative of our published TagRFP-SEC vector pDD285 (Dickinson et al. Genetics 2015, Addgene plasmid number 66825). It has a 3xMyc tag in place of 3xFlag, and Lox2272 sites in place of LoxP. These features allow pDD287 to be used in a genetic background that has already been modified using a green FP-SEC vector, without conflicts between epitope tags and Lox sites.

**Plasmid Name:** pDD287 (mKate2<sup>SEC</sup>3xMyc

**Record Creation Time:** 20220422T222436+0000

**Record Last Update:** 20260912T093106+0000

### Ratings and Alerts

No rating or validation information has been found for pDD287 (mKate2<sup>SEC</sup>3xMyc.

No alerts have been found for pDD287 (mKate2<sup>SEC</sup>3xMyc.

## Data and Source Information

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

## Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Sawa H, et al. (2025) Differential functions of multiple Wnts and receptors in cell polarity regulation in *C. elegans*. bioRxiv : the preprint server for biology.

Zellag RM, et al. (2025) The spatiotemporal distribution of LIN-5/NuMA regulates spindle orientation in the *C. elegans* germ line. Cell reports, 44(2), 115296.

Recouvreux P, et al. (2024) Transfer of polarity information via diffusion of Wnt ligands in *C. elegans* embryos. Current biology : CB, 34(9), 1853.

King SD, et al. (2021) The mitochondrial localized CISD-3.1/CISD-3.2 proteins are required to maintain normal germline structure and function in *Caenorhabditis elegans*. PloS one, 16(2), e0245174.

Huggins HP, et al. (2020) Distinct roles of two eIF4E isoforms in the germline of *Caenorhabditis elegans*. Journal of cell science, 133(6).

Manage KI, et al. (2020) A tudor domain protein, SIMR-1, promotes siRNA production at piRNA-targeted mRNAs in *C. elegans*. eLife, 9.

Uebel C, et al. (2019) Phase-separated protein dynamics are affected by fluorescent tag choice. microPublication biology, 2019.

Lan J, et al. (2019) Translational Regulation of Non-autonomous Mitochondrial Stress Response Promotes Longevity. Cell reports, 28(4), 1050.

Negishi T, et al. (2019) Modified auxin improves the auxin-inducible degradation (AID) system for laid *C. elegans* embryos. microPublication biology, 2019.