

# Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

## mEmerald-Sec61-C-18

RRID:Addgene\_54249

Type: Plasmid

### Proper Citation

RRID:Addgene\_54249

### Plasmid Information

**URL:** <http://www.addgene.org/54249>

**Proper Citation:** RRID:Addgene\_54249

**Insert Name:** Sec61

**Organism:** Homo sapiens

**Bacterial Resistance:** Kanamycin

**Vector Backbone Description:** Backbone Size:4750; Vector Backbone:mEmerald-C1;  
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

**Comments:** . Excitation = 487; Emission = 509. Localization data: Endoplasmic Reticulum

**Plasmid Name:** mEmerald-Sec61-C-18

**Record Creation Time:** 20220422T222317+0000

**Record Last Update:** 20260815T081638+0000

### Ratings and Alerts

No rating or validation information has been found for mEmerald-Sec61-C-18.

No alerts have been found for mEmerald-Sec61-C-18.

### Data and Source Information

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

### Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Miller ML, et al. (2024) Complex N-glycosylation of mGluR6 is required for trans-synaptic interaction with ELFN adhesion proteins. *The Journal of biological chemistry*, 300(4), 107119.

Fuentes LA, et al. (2023) The nanoscale organization of reticulon 4 shapes local endoplasmic reticulum structure in situ. *The Journal of cell biology*, 222(10).

Wang B, et al. (2022) The endoplasmic reticulum adopts two distinct tubule forms. *Proceedings of the National Academy of Sciences of the United States of America*, 119(18), e2117559119.

Chung KKH, et al. (2022) Fluorogenic DNA-PAINT for faster, low-background super-resolution imaging. *Nature methods*, 19(5), 554.

Hao X, et al. (2021) Three-dimensional adaptive optical nanoscopy for thick specimen imaging at sub-50-nm resolution. *Nature methods*, 18(6), 688.

M'Saad O, et al. (2020) Light microscopy of proteins in their ultrastructural context. *Nature communications*, 11(1), 3850.

Zhang Y, et al. (2020) Nanoscale subcellular architecture revealed by multicolor three-dimensional salvaged fluorescence imaging. *Nature methods*, 17(2), 225.

Chung J, et al. (2019) LDAF1 and Seipin Form a Lipid Droplet Assembly Complex. *Developmental cell*, 51(5), 551.

Schroeder LK, et al. (2019) Dynamic nanoscale morphology of the ER surveyed by STED microscopy. *The Journal of cell biology*, 218(1), 83.

Richardson RB, et al. (2018) A CRISPR screen identifies IFI6 as an ER-resident interferon effector that blocks flavivirus replication. *Nature microbiology*, 3(11), 1214.

Agosto MA, et al. (2018) A Large Endoplasmic Reticulum-Resident Pool of TRPM1 in Retinal ON-Bipolar Cells. *eNeuro*, 5(3).