

# Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

## mEmerald-Calnexin-N-14

RRID:Addgene\_54021

Type: Plasmid

### Proper Citation

RRID:Addgene\_54021

### Plasmid Information

**URL:** <http://www.addgene.org/54021>

**Proper Citation:** RRID:Addgene\_54021

**Insert Name:** Calnexin

**Organism:** Homo sapiens

**Bacterial Resistance:** Kanamycin

**Vector Backbone Description:** Backbone Size:4750; Vector Backbone:mEmerald-N1;  
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

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

**Plasmid Name:** mEmerald-Calnexin-N-14

**Relevant Mutation:** I474N in Calnexin

**Record Creation Time:** 20220422T222316+0000

**Record Last Update:** 20260815T081636+0000

### Ratings and Alerts

No rating or validation information has been found for mEmerald-Calnexin-N-14.

No alerts have been found for mEmerald-Calnexin-N-14.

### Data and Source Information

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

## Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Konno T, et al. (2024) Endoplasmic reticulum morphology regulation by RTN4 modulates neuronal regeneration by curbing luminal transport. *Cell reports*, 43(7), 114357.

Scott ZC, et al. (2023) Endoplasmic reticulum network heterogeneity guides diffusive transport and kinetics. *Biophysical journal*, 122(15), 3191.

Yang Z, et al. (2023) Diffusive exit rates through pores in membrane-enclosed structures. *Physical biology*, 20(2).

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.

Adams G, et al. (2021) Survey of cancer cell anatomy in nonadhesive confinement reveals a role for filamin-A and fascin-1 in leader bleb-based migration. *Molecular biology of the cell*, 32(18), 1772.