

Resource Summary Report

Generated by [NIF](#) on Jul 31, 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: 20260725T074835+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.

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

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

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.