

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

mEmerald-Lysosomes-20

RRID:Addgene_54149

Type: Plasmid

Proper Citation

RRID:Addgene_54149

Plasmid Information

URL: <http://www.addgene.org/54149>

Proper Citation: RRID:Addgene_54149

Insert Name: Lysosomes

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

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

Comments: . Excitation = 487; Emission = 509. Localization data: LAMP1 - Lysosome Membrane

Plasmid Name: mEmerald-Lysosomes-20

Record Creation Time: 20220422T222317+0000

Record Last Update: 20260829T080705+0000

Ratings and Alerts

No rating or validation information has been found for mEmerald-Lysosomes-20.

No alerts have been found for mEmerald-Lysosomes-20.

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](#) .

David EA, et al. (2026) SARS-CoV-2 envelope protein mitochondrial localization reveals host metabolic disruption. The Journal of biological chemistry, 302(5), 111419.

Greene CJ, et al. (2022) Macrophages disseminate pathogen associated molecular patterns through the direct extracellular release of the soluble content of their phagolysosomes. Nature communications, 13(1), 3072.

Hoffman HK, et al. (2022) Endocytosed HIV-1 Envelope Glycoprotein Traffics to Rab14+ Late Endosomes and Lysosomes to Regulate Surface Levels in T-Cell Lines. Journal of virology, 96(14), e0076722.

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.

Yang H, et al. (2019) SIGMAR1/Sigma-1 receptor ablation impairs autophagosome clearance. Autophagy, 15(9), 1539.