

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

mEmerald-Rab7a-7

RRID:Addgene_54244

Type: Plasmid

Proper Citation

RRID:Addgene_54244

Plasmid Information

URL: <http://www.addgene.org/54244>

Proper Citation: RRID:Addgene_54244

Insert Name: Rab7a

Organism: Homo sapiens

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: Ras GTPase

Plasmid Name: mEmerald-Rab7a-7

Record Creation Time: 20220422T222317+0000

Record Last Update: 20260815T081638+0000

Ratings and Alerts

No rating or validation information has been found for mEmerald-Rab7a-7.

No alerts have been found for mEmerald-Rab7a-7.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Lee Y, et al. (2026) Endosome maturation is orchestrated by inside-out proton signaling through a Na⁺/H⁺ exchanger and pH-dependent Rab GTPase cycling. Nature communications, 17(1).

Coupland C, et al. (2025) Estrogenic activity of E2-conjugated GLP-1 is mediated by intracellular endolysosomal acidification and estrone metabolism. Molecular metabolism, 96, 102136.

Mulligan RJ, et al. (2024) Collapse of late endosomal pH elicits a rapid Rab7 response via the V-ATPase and RILP. Journal of cell science, 137(9).

Mulligan RJ, et al. (2023) Collapse of late endosomal pH elicits a rapid Rab7 response via V-ATPase and RILP. bioRxiv : the preprint server for biology.

Xia S, et al. (2019) Nanoscale Architecture of the Cortical Actin Cytoskeleton in Embryonic Stem Cells. Cell reports, 28(5), 1251.

Percher A, et al. (2016) Mass-tag labeling reveals site-specific and endogenous levels of protein S-fatty acylation. Proceedings of the National Academy of Sciences of the United States of America, 113(16), 4302.