

Resource Summary Report

Generated by [RRID](#) 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 [RRID](#) .

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.