

Resource Summary Report

Generated by [nidm-terms](#) on Jul 30, 2026

EGFP-Rab7A T22N

RRID:Addgene_28048

Type: Plasmid

Proper Citation

RRID:Addgene_28048

Plasmid Information

URL: <http://www.addgene.org/28048>

Proper Citation: RRID:Addgene_28048

Insert Name: Rab7A

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20974968](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5446; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: EGFP-Rab7A T22N

Relevant Mutation: T22N

Record Creation Time: 20220422T222126+0000

Record Last Update: 20260725T074524+0000

Ratings and Alerts

No rating or validation information has been found for EGFP-Rab7A T22N.

No alerts have been found for EGFP-Rab7A T22N.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Peng W, et al. (2025) Endosomal trafficking participates in lipid droplet catabolism to maintain lipid homeostasis. *Nature communications*, 16(1), 1917.

Hanna MG, et al. (2025) BLTP3A is associated with membranes of the late endocytic pathway and is an effector of CASM. *The EMBO journal*, 44(21), 6168.

Rengarajan A, et al. (2025) The endo-lysosomal system drives lumen formation in a human epiblast model. *bioRxiv : the preprint server for biology*.

Sava I, et al. (2024) Reversible assembly and disassembly of V-ATPase during the lysosome regeneration cycle. *Molecular biology of the cell*, 35(5), ar63.

Paddar MA, et al. (2024) Noncanonical roles of ATG5 and membrane atg8ylation in retromer assembly and function. *bioRxiv : the preprint server for biology*.

Deffieu MS, et al. (2021) Rab7-harboring vesicles are carriers of the transferrin receptor through the biosynthetic secretory pathway. *Science advances*, 7(2).

Kesisova IA, et al. (2021) A septin GTPase scaffold of dynein-dynactin motors triggers retrograde lysosome transport. *The Journal of cell biology*, 220(2).

Bertovi?? I, et al. (2020) Vps34 derived phosphatidylinositol 3-monophosphate modulates megakaryocyte maturation and proplatelet production through late endosomes/lysosomes. *Journal of thrombosis and haemostasis : JTH*, 18(7), 1756.

Vaites LP, et al. (2018) Systematic Analysis of Human Cells Lacking ATG8 Proteins Uncovers Roles for GABARAPs and the CCZ1/MON1 Regulator C18orf8/RMC1 in Macroautophagic and Selective Autophagic Flux. *Molecular and cellular biology*, 38(1).

Ledvina HE, et al. (2018) A Phosphatidylinositol 3-Kinase Effector Alters Phagosomal Maturation to Promote Intracellular Growth of Francisella. *Cell host & microbe*, 24(2), 285.

Villarroya-Beltri C, et al. (2016) ISGylation controls exosome secretion by promoting lysosomal degradation of MVB proteins. *Nature communications*, 7, 13588.

Li RJ, et al. (2016) Regulation of mTORC1 by lysosomal calcium and calmodulin. *eLife*, 5.