

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

NPC1 His6 EGFP

RRID:Addgene_53521

Type: Plasmid

Proper Citation

RRID:Addgene_53521

Plasmid Information

URL: <http://www.addgene.org/53521>

Proper Citation: RRID:Addgene_53521

Insert Name: NPC1

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:21430138](#)

Vector Backbone Description: Vector Backbone:N3; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: This plasmid is also described in PMID: 11251074.

Plasmid Name: NPC1 His6 EGFP

Record Creation Time: 20220422T222313+0000

Record Last Update: 20260725T074830+0000

Ratings and Alerts

No rating or validation information has been found for NPC1 His6 EGFP.

No alerts have been found for NPC1 His6 EGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

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.

Fabiano M, et al. (2024) Presenilin Deficiency Results in Cellular Cholesterol Accumulation by Impairment of Protein Glycosylation and NPC1 Function. International journal of molecular sciences, 25(10).

Song B, et al. (2024) Bafilomycin A1 Inhibits HIV-1 Infection by Disrupting Lysosomal Cholesterol Transport. Viruses, 16(9).

Guix FX, et al. (2021) Increased exosome secretion in neurons aging in vitro by NPC1-mediated endosomal cholesterol buildup. Life science alliance, 4(8).

Huang W, et al. (2021) Anaplasma phagocytophilum Hijacks Flotillin and NPC1 Complex To Acquire Intracellular Cholesterol for Proliferation, Which Can Be Inhibited with Ezetimibe. mBio, 12(5), e0229921.

Cohen-Dvashi H, et al. (2020) Structural Basis for a Convergent Immune Response against Ebola Virus. Cell host & microbe, 27(3), 418.

Mitroi DN, et al. (2019) NPC1 enables cholesterol mobilization during long-term potentiation that can be restored in Niemann-Pick disease type C by CYP46A1 activation. EMBO reports, 20(11), e48143.