

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pDONR221-NPC1L1

RRID:Addgene_132303

Type: Plasmid

Proper Citation

RRID:Addgene_132303

Plasmid Information

URL: <http://www.addgene.org/132303>

Proper Citation: RRID:Addgene_132303

Insert Name: NPC1L1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:32265506](#)

Vector Backbone Description: Backbone Marker:Thermo Fisher Scientific; Backbone Size:2550; Vector Backbone:pDONR221; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: For more information on the full Resolute plasmid collection, please see www.addgene.org/depositor-collections/re-solute/. Please provide your feedback on this plasmid to the RESOLUTE consortium by filling out their RESOLUTE repository feedback form:

<https://forms.office.com/Pages/ResponsePage.aspx?id=0e05yklzmkS7rjFGQL4N7z4feCLQvEJAmV>

Plasmid Name: pDONR221-NPC1L1

Record Creation Time: 20220422T221734+0000

Record Last Update: 20260815T080526+0000

Ratings and Alerts

No rating or validation information has been found for pDONR221-NPC1L1.

No alerts have been found for pDONR221-NPC1L1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Zheng YH, et al. (2026) A pH-driven receptor switch from ACE2 to NPC1 enables endosomal entry of SARS-CoV-2. Research square.

Digles D, et al. (2024) Advancing drug discovery through assay development: a survey of tool compounds within the human solute carrier superfamily. Frontiers in pharmacology, 15, 1401599.

Elste J, et al. (2024) Co-Expression of Niemann-Pick Type C1-Like1 (NPC1L1) with ACE2 Receptor Synergistically Enhances SARS-CoV-2 Entry and Fusion. Biomedicines, 12(4).