

Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

mEmerald-NEEP21-N-18

RRID:Addgene_54202

Type: Plasmid

Proper Citation

RRID:Addgene_54202

Plasmid Information

URL: <http://www.addgene.org/54202>

Proper Citation: RRID:Addgene_54202

Insert Name: NEEP21

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mEmerald-N1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 487; Emission = 509. Localization data: Endosomes

Plasmid Name: mEmerald-NEEP21-N-18

Relevant Mutation: D114G

Record Creation Time: 20220422T222317+0000

Record Last Update: 20260815T081638+0000

Ratings and Alerts

No rating or validation information has been found for mEmerald-NEEP21-N-18.

No alerts have been found for mEmerald-NEEP21-N-18.

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 [NIF](#) .

Yap CC, et al. (2025) Late endosome transport by RILP-RAB7A promotes dendrite arborization. bioRxiv : the preprint server for biology.

Yap CC, et al. (2018) Degradation of dendritic cargos requires Rab7-dependent transport to somatic lysosomes. The Journal of cell biology, 217(9), 3141.

Yap CC, et al. (2017) The endosomal neuronal proteins Nsg1/NEEP21 and Nsg2/P19 are itinerant, not resident proteins of dendritic endosomes. Scientific reports, 7(1), 10481.