

Resource Summary Report

Generated by PRECISE-TBI on Aug 31, 2026

N1-LOC8R

RRID:Addgene_66896

Type: Plasmid

Proper Citation

RRID:Addgene_66896

Plasmid Information

URL: <http://www.addgene.org/66896>

Proper Citation: RRID:Addgene_66896

Insert Name: LOC8R

Organism: Synthetic

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:GeneArt (LifeTechnologies); Backbone Size:2278; Vector Backbone:pMK-RQ (kanR); Vector Types;; Bacterial Resistance:Kanamycin

Comments: The LOC8R targeting sequence was designed by Benjamin S. Padman during his doctoral research project (Primary supervisor: Georg Ramm) Insert into an N1 vector by subcloning. The number of Cox8 MTS repeats in LOC8R can be modified as follows: 4x Cox8: Insert at HindIII & AgeI sites. (subclone directly). 3x Cox8: Digest with BamHI and re-ligate. insert at HindIII & AgeI sites. 2x Cox8: Digest with XhoI and re-ligate. insert at HindIII & AgeI sites. 1x Cox8: Digest with HindIII and BamHI. Insert at HindIII & BamHI sites.

Plasmid Name: N1-LOC8R

Record Creation Time: 20220422T222419+0000

Record Last Update: 20260829T080904+0000

Ratings and Alerts

No rating or validation information has been found for N1-LOC8R.

No alerts have been found for N1-LOC8R.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Hirabayashi Y, et al. (2024) Most axonal mitochondria in cortical pyramidal neurons lack mitochondrial DNA and consume ATP. bioRxiv : the preprint server for biology.