

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

[pAAV-mTubb3](#)

RRID:Addgene_87116

Type: Plasmid

Proper Citation

RRID:Addgene_87116

Plasmid Information

URL: <http://www.addgene.org/87116>

Proper Citation: RRID:Addgene_87116

Insert Name: U6-mTubb3sgRNA-GFP-EF1a-mCherryKASH-hGHpA

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27851729](#)

Vector Backbone Description: Backbone Marker:Addgene 60957; Vector Backbone:PX551; Vector Types:AAV, CRISPR; Bacterial Resistance:Ampicillin

Comments: There is 11bp deletion in left ITR, which is from original backbone plasmid (i.e. PX551). We don't believe it interfered with packaging.

Plasmid Name: pAAV-mTubb3

Record Creation Time: 20220422T222559+0000

Record Last Update: 20260815T082140+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-mTubb3.

No alerts have been found for pAAV-mTubb3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Naert T, et al. (2026) Precise, predictable genome integrations by deep-learning-assisted design of microhomology-based templates. *Nature biotechnology*, 44(6), 1023.

Hirose J, et al. (2025) Targeted in vivo gene integration of a secretion-enabled GLP-1 receptor agonist reverses diet-induced non-genetic obesity and pre-diabetes. *Communications medicine*, 5(1), 269.

Hirose J, et al. (2024) Lipid Nanoparticles Enable Efficient In Vivo DNA Knock-In via HITI-Mediated Genome Editing. *Biomolecules*, 14(12).

Naert T, et al. (2024) Pythia: Non-random DNA repair allows predictable CRISPR/Cas9 integration and gene editing. *bioRxiv : the preprint server for biology*.

Willems J, et al. (2020) ORANGE: A CRISPR/Cas9-based genome editing toolbox for epitope tagging of endogenous proteins in neurons. *PLoS biology*, 18(4), e3000665.

Uezu A, et al. (2019) Essential role for InSyn1 in dystroglycan complex integrity and cognitive behaviors in mice. *eLife*, 8.