

Resource Summary Report

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

pAAV:cTNT::Luciferase

RRID:Addgene_69915

Type: Plasmid

Proper Citation

RRID:Addgene_69915

Plasmid Information

URL: <http://www.addgene.org/69915>

Proper Citation: RRID:Addgene_69915

Insert Name: Firefly luciferase

Organism: Firefly

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24833660](#)

Vector Backbone Description: Backbone Marker:Penn Vector Core; Backbone Size:4405; Vector Backbone:AAV2/9.cTnT.PI.EGFP.RBG; Vector Types:AAV; Bacterial Resistance:Ampicillin

Comments: This plasmid contains chicken cardiac troponin T promoter. When packaged into AAV9 virus using the AAV 2/9 Rep/Cap plasmid, the AAV9:cTNT.Luciferase virus will easily transduce the neonatal mouse. This virus does not work in vitro cultured cardiomyocytes.

Plasmid Name: pAAV:cTNT::Luciferase

Record Creation Time: 20220422T222432+0000

Record Last Update: 20260815T081856+0000

Ratings and Alerts

No rating or validation information has been found for pAAV:cTNT::Luciferase.

No alerts have been found for pAAV:cTNT::Luciferase.

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 [RRID](#) .

Secco I, et al. (2025) Genetic tracing and topography of spontaneous and stimulated cardiac regeneration in mice. *Nature cardiovascular research*, 4(4), 397.

En A, et al. (2024) Pervasive nuclear envelope ruptures precede ECM signaling and disease onset without activating cGAS-STING in Lamin-cardiomyopathy mice. *Cell reports*, 43(6), 114284.

Lu F, et al. (2022) CMYA5 establishes cardiac dyad architecture and positioning. *Nature communications*, 13(1), 2185.

Nishiyama T, et al. (2022) Precise genomic editing of pathogenic mutations in RBM20 rescues dilated cardiomyopathy. *Science translational medicine*, 14(672), eade1633.

Scerra G, et al. (2021) Early onset effects of single substrate accumulation recapitulate major features of LSD in patient-derived lysosomes. *iScience*, 24(7), 102707.

Makarewich CA, et al. (2020) Gene Therapy With the DWORF Micropeptide Attenuates Cardiomyopathy in Mice. *Circulation research*, 127(10), 1340.

Guo Q, et al. (2020) Genome-wide translational reprogramming of genes important for myocyte functions in overload-induced heart failure. *Biochimica et biophysica acta. Molecular basis of disease*, 1866(3), 165649.