

Resource Summary Report

Generated by [dkNET](#) on Aug 31, 2026

PL552

RRID:Addgene_68407

Type: Plasmid

Proper Citation

RRID:Addgene_68407

Plasmid Information

URL: <http://www.addgene.org/68407>

Proper Citation: RRID:Addgene_68407

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26145478](#)

Vector Backbone Description: Backbone Marker:Frederick National Lab; Backbone Size:4800; Vector Backbone:PL452; Vector Types:Mammalian Expression, Cre/Lox; Bacterial Resistance:Ampicillin

Plasmid Name: PL552

Record Creation Time: 20220422T222426+0000

Record Last Update: 20260829T080916+0000

Ratings and Alerts

No rating or validation information has been found for PL552.

No alerts have been found for PL552.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Lan Y, et al. (2025) Synonymous mutations promote tumorigenesis by disrupting m6A-dependent mRNA metabolism. *Cell*, 188(7), 1828.

Zhang Y, et al. (2025) hESCs-derived Organoids Achieve Liver Zonation Features through LSEC Modulation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(20), e2411667.

Feng B, et al. (2025) Transcriptomic analysis of the m6A reader YTHDF2 in the maintenance and differentiation of human embryonic stem cells. *Stem cells* (Dayton, Ohio), 43(7).

Zhang X, et al. (2025) 3D-generation of high-purity midbrain dopaminergic progenitors and lineage-guided refinement of grafts supports Parkinson's disease cell therapy. *Cell stem cell*, 32(11), 1758.

Xie L, et al. (2023) Comprehensive spatiotemporal mapping of single-cell lineages in developing mouse brain by CRISPR-based barcoding. *Nature methods*, 20(8), 1244.

Ohgushi M, et al. (2022) Delamination of trophoblast-like syncytia from the amniotic ectodermal analogue in human primed embryonic stem cell-based differentiation model. *Cell reports*, 39(12), 110973.

Moroi AJ, et al. (2022) Conditional CRISPR-mediated deletion of Lyn kinase enhances differentiation and function of iPSC-derived megakaryocytes. *Journal of thrombosis and haemostasis : JTH*, 20(1), 182.

Riya PA, et al. (2022) HES1 promoter activation dynamics reveal the plasticity, stemness and heterogeneity in neuroblastoma cancer stem cells. *Journal of cell science*, 135(22).

Xiong M, et al. (2021) Human Stem Cell-Derived Neurons Repair Circuits and Restore Neural Function. *Cell stem cell*, 28(1), 112.

Clancy JW, et al. (2019) An ARF6-Exportin-5 axis delivers pre-miRNA cargo to tumour microvesicles. *Nature cell biology*, 21(7), 856.

Phillips MJ, et al. (2018) Generation of a rod-specific NRL reporter line in human pluripotent stem cells. *Scientific reports*, 8(1), 2370.

Oksanen M, et al. (2017) PSEN1 Mutant iPSC-Derived Model Reveals Severe Astrocyte Pathology in Alzheimer's Disease. *Stem cell reports*, 9(6), 1885.