

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

CMV-LUC2CP/intron/ARE

RRID:Addgene_62858

Type: Plasmid

Proper Citation

RRID:Addgene_62858

Plasmid Information

URL: <http://www.addgene.org/62858>

Proper Citation: RRID:Addgene_62858

Insert Name: Luciferase

Organism: firefly

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20123975](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:4758; Vector Backbone:pGL4.16; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Ampicillin

Plasmid Name: CMV-LUC2CP/intron/ARE

Relevant Mutation: insertion of chimeric intron at nucleotide position 1344 of the firefly luciferase gene; destabilizing sequences (DS) added to the C terminus of the protein (CL1 and PEST) and five consecutive AUUUA elements added to the 3' UTR (RNA DS ARE) for rapid mRNA turnover

Record Creation Time: 20220422T222359+0000

Record Last Update: 20260815T081756+0000

Ratings and Alerts

No rating or validation information has been found for CMV-LUC2CP/intron/ARE.

No alerts have been found for CMV-LUC2CP/intron/ARE.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Nacken W, et al. (2025) Influenza A virus NS1 suppresses nuclear speckles promoted gene expression by inhibition of transcription. *Npj viruses*, 3(1), 46.

Aparnathi MK, et al. (2025) PRMT1 inhibitor MS023 suppresses RNA splicing to sensitize small cell lung cancer to DNA damaging agents. *Neoplasia (New York, N.Y.)*, 66, 101176.

Lin DW, et al. (2025) Nutrient control of splice site selection contributes to methionine addiction of cancer. *Molecular metabolism*, 93, 102103.

Wang S, et al. (2024) CWF19L2 is Essential for Male Fertility and Spermatogenesis by Regulating Alternative Splicing. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(31), e2403866.

Arcos-Hernández C, et al. (2023) How to study a highly toxic protein to bacteria: A case of voltage sensor domain of mouse sperm-specific sodium/proton exchanger. *Protein expression and purification*, 201, 106172.

Zhang D, et al. (2020) Intron retention is a hallmark and spliceosome represents a therapeutic vulnerability in aggressive prostate cancer. *Nature communications*, 11(1), 2089.

Kang GJ, et al. (2020) SARNP, a participant in mRNA splicing and export, negatively regulates E-cadherin expression via interaction with pinin. *Journal of cellular physiology*, 235(2), 1543.

Paoletta BR, et al. (2017) Copy-number and gene dependency analysis reveals partial copy loss of wild-type SF3B1 as a novel cancer vulnerability. *eLife*, 6.

Dai L, et al. (2016) Cytoplasmic Drosha activity generated by alternative splicing. *Nucleic acids research*, 44(21), 10454.