

Resource Summary Report

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

aP2-luciferase

RRID:Addgene_8858

Type: Plasmid

Proper Citation

RRID:Addgene_8858

Plasmid Information

URL: <http://www.addgene.org/8858>

Proper Citation: RRID:Addgene_8858

Insert Name: aP2 enhancer / promoter

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:1545801](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:5010; Vector Backbone:pGL3-promoter; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Ampicillin

Comments: Plasmid created by James Rhee by cloning 520bp of the aP2 enhancer from aP2-CAT into the pGL2 luciferase reporter. This is the abbreviated insert sequence:
ggtaccGAATTCCAGCAGGAATCA.....GGATCAGAGTTCA (DR-1).....TTCTTCCTTCTAGActcgag

Plasmid Name: aP2-luciferase

Record Creation Time: 20220422T222605+0000

Record Last Update: 20260815T082151+0000

Ratings and Alerts

No rating or validation information has been found for aP2-luciferase.

No alerts have been found for aP2-luciferase.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Helms EJ, et al. (2022) Mesenchymal Lineage Heterogeneity Underlies Nonredundant Functions of Pancreatic Cancer-Associated Fibroblasts. *Cancer discovery*, 12(2), 484.

Tung EWY, et al. (2017) Firemaster® 550 and its components isopropylated triphenyl phosphate and triphenyl phosphate enhance adipogenesis and transcriptional activity of peroxisome proliferator activated receptor (Ppar?) on the adipocyte protein 2 (aP2) promoter. *PloS one*, 12(4), e0175855.

Case N, et al. (2013) Mechanical input restrains PPAR?2 expression and action to preserve mesenchymal stem cell multipotentiality. *Bone*, 52(1), 454.

Reddy RC, et al. (2012) PPARs: Regulators and Translational Targets in the Lung. *PPAR research*, 2012, 342924.

Ramirez A, et al. (2012) TGF?1 Controls PPAR? Expression, Transcriptional Potential, and Activity, in Part, through Smad3 Signaling in Murine Lung Fibroblasts. *PPAR research*, 2012, 375876.