Resource Summary Report

Generated by NIF on Jul 29, 2026

pGL4

RRID:Addgene_48744
Type: Plasmid

Proper Citation

RRID:Addgene_48744

Plasmid Information

URL: http://www.addgene.org/48744

Proper Citation: RRID:Addgene_48744

Insert Name: truncated mPer2 promoter/enhancer region (-1128 to +1536)

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:15699353

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:4818; Vector Backbone:pGL3-Basic; Vector Types:Luciferase; Bacterial Resistance:Ampicillin

Comments: Minor sequencing discrepancies may exist between the mPer2 promoter reference sequence and Addgene's sequencing results, but do not affect the function of the plasmid. This plasmid contains a PGK promoter-NeoR/KanR loxP cassette which is not in the original pGL3 Basic vector backbone. It is unknown if this cassette impacts plasmid functionality.

Plasmid Name: pGL4

Relevant Mutation: truncated promoter region (see pGL6)

Record Creation Time: 20220422T222251+0000

Record Last Update: 20260725T074752+0000

Ratings and Alerts

No rating or validation information has been found for pGL4.

No alerts have been found for pGL4.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Liu Y, et al. (2025) ZMIZ1 lactylation induces tamoxifen resistance in breast cancer through increasing transcriptional activity of Nanog to impact cell stemness and cholesterol uptake. Cell biology and toxicology, 41(1), 117.

He B, et al. (2023) Cancer cell employs a microenvironmental neural signal trans-activating nucleus-mitochondria coordination to acquire stemness. Signal transduction and targeted therapy, 8(1), 275.

Yao C, et al. (2021) SIPA1 Enhances Aerobic Glycolysis Through HIF-2?? Pathway to Promote Breast Cancer Metastasis. Frontiers in cell and developmental biology, 9, 779169.