

Resource Summary Report

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

Gal4-PGC1 alpha

RRID:Addgene_8892

Type: Plasmid

Proper Citation

RRID:Addgene_8892

Plasmid Information

URL: <http://www.addgene.org/8892>

Proper Citation: RRID:Addgene_8892

Insert Name: PGC-1 alpha

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9529258](#)

Vector Backbone Description: Backbone Size:4500; Vector Backbone:pCMX Gal4;
Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: full length PGC1 was cloned downstream of the Gal4 DNA binding domain.

Plasmid Name: Gal4-PGC1 alpha

Record Creation Time: 20220422T222606+0000

Record Last Update: 20260815T082153+0000

Ratings and Alerts

No rating or validation information has been found for Gal4-PGC1 alpha.

No alerts have been found for Gal4-PGC1 alpha.

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](#) .

Matsuda S, et al. (2025) Nardilysin in adipocyte regulates insulin sensitivity via HIF1 α and PPAR α . Scientific reports, 15(1), 37415.

Bayele HK, et al. (2019) A conserved mechanism of sirtuin signalling through steroid hormone receptors. Bioscience reports, 39(12).

Inoue C, et al. (2017) SMARCD1 regulates senescence-associated lipid accumulation in hepatocytes. NPJ aging and mechanisms of disease, 3, 11.

Vaarmann A, et al. (2016) Mitochondrial biogenesis is required for axonal growth. Development (Cambridge, England), 143(11), 1981.

Gao J, et al. (2015) CAR Suppresses Hepatic Gluconeogenesis by Facilitating the Ubiquitination and Degradation of PGC1 α . Molecular endocrinology (Baltimore, Md.), 29(11), 1558.

Wareski P, et al. (2009) PGC-1 α and PGC-1 β regulate mitochondrial density in neurons. The Journal of biological chemistry, 284(32), 21379.

Roth RJ, et al. (2009) MAPK phosphatase-1 facilitates the loss of oxidative myofibers associated with obesity in mice. The Journal of clinical investigation, 119(12), 3817.