

# Resource Summary Report

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

## pcDNA-f:PGC1-3D

RRID:Addgene\_47

Type: Plasmid

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### Proper Citation

RRID:Addgene\_47

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### Plasmid Information

**URL:** <http://www.addgene.org/47>

**Proper Citation:** RRID:Addgene\_47

**Insert Name:** PGC-1a

**Organism:** Mus musculus

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:14744933](#)

**Vector Backbone Description:** Backbone Marker:Invitrogen; Backbone Size:5500; Vector Backbone:pcDNA3.1 myc-His A; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Comments:** Please see Addgene plasmid 1026 (pcDNA-f:PGC1) for wildtype sequence and map.

**Plasmid Name:** pcDNA-f:PGC1-3D

**Relevant Mutation:** Amino acids 262, 265, and 298 have been changed to aspartic acid

**Record Creation Time:** 20220422T222242+0000

**Record Last Update:** 20260815T081537+0000

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### Ratings and Alerts

No rating or validation information has been found for pcDNA-f:PGC1-3D.

No alerts have been found for pcDNA-f:PGC1-3D.

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### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Wang H, et al. (2025) The Primary Cilia are Associated with the Axon Initial Segment in Neurons. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(9), e2407405.

Basol M, et al. (2025) Loss of carbohydrate sulfotransferase 6 function leads to macular corneal dystrophy phenotypes and skeletal defects in zebrafish. *The FEBS journal*, 292(2), 373.

Clément AE, et al. (2025) Parent-of-origin regulation by maternal *auts2* shapes neurodevelopment and behavior in fish. *Genome biology*, 26(1), 125.

Qin M, et al. (2024) CRISPR-Cas and CRISPR-based screening system for precise gene editing and targeted cancer therapy. *Journal of translational medicine*, 22(1), 516.

Biswas S, et al. (2021)  $\beta$ -Protocadherins regulate neural progenitor cell division by antagonizing Ryk and Wnt/ $\beta$ -catenin signaling. *iScience*, 24(8), 102932.

Hattangady NG, et al. (2020) Molecular and Electrophysiological Analyses of ATP2B4 Gene Variants in Bilateral Adrenal Hyperaldosteronism. *Hormones & cancer*, 11(1), 52.