

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

pcDNA-f:PGC1-3D

RRID:Addgene_47

Type: Plasmid

Proper Citation

RRID:Addgene_47

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

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.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

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.

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.

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) β -Protocadherins regulate neural progenitor cell division by antagonizing Ryk and Wnt/ β -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.