

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

pcDNA3.1-Flag-PGC-1alpha1

RRID:Addgene_45501

Type: Plasmid

Proper Citation

RRID:Addgene_45501

Plasmid Information

URL: <http://www.addgene.org/45501>

Proper Citation: RRID:Addgene_45501

Insert Name: PGC-1alpha Isoform1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23217713](#)

Vector Backbone Description: Backbone Size:5424; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Note that Addgene NGS results identified a Q339K mutation relative to the canonical GenBank sequence. This mutation has not been reported to affect function.

Plasmid Name: pcDNA3.1-Flag-PGC-1alpha1

Relevant Mutation: Q339K relative to NM_008904

Record Creation Time: 20220422T222235+0000

Record Last Update: 20260826T042245+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1-Flag-PGC-1alpha1.

No alerts have been found for pcDNA3.1-Flag-PGC-1alpha1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Krzysiak TC, et al. (2018) An Insulin-Responsive Sensor in the SIRT1 Disordered Region Binds DBC1 and PACS-2 to Control Enzyme Activity. *Molecular cell*, 72(6), 985.