

# Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

## pCW-codon optimized catalytically inactive PHGDH

RRID:Addgene\_154903

Type: Plasmid

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### Proper Citation

RRID:Addgene\_154903

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### Plasmid Information

**URL:** <http://www.addgene.org/154903>

**Proper Citation:** RRID:Addgene\_154903

**Insert Name:** Phosphoglycerate dehydrogenase

**Organism:** Homo sapiens

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:32571778](#)

**Vector Backbone Description:** Backbone Size:7943; Vector Backbone:pCW57-MCS1-P2A-MCS2; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

**Plasmid Name:** pCW-codon optimized catalytically inactive PHGDH

**Relevant Mutation:** Three mutations: D175N, R236K, H283A

**Record Creation Time:** 20220422T221848+0000

**Record Last Update:** 20260725T074043+0000

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### Ratings and Alerts

No rating or validation information has been found for pCW-codon optimized catalytically inactive PHGDH.

No alerts have been found for pCW-codon optimized catalytically inactive PHGDH.

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### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Van Nyen T, et al. (2022) Serine metabolism remodeling after platinum-based chemotherapy identifies vulnerabilities in a subgroup of resistant ovarian cancers. Nature communications, 13(1), 4578.