Resource Summary Report

Generated by dkNET on Aug 21, 2026

GPD-roGFP

RRID:Addgene_49436
Type: Plasmid

Proper Citation

RRID:Addgene_49436

Plasmid Information

URL: http://www.addgene.org/49436

Proper Citation: RRID:Addgene_49436

Insert Name: GPD-roGFP2

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:20019331

Vector Backbone Description: Backbone Marker:ViraQuest Inc.; Backbone Size:5217; Vector Backbone:VQ Ad5CMV K-NpA; Vector Types:Mammalian Expression, Adenoviral; Bacterial Resistance:Ampicillin

Plasmid Name: GPD-roGFP

Relevant Mutation: C48S, Q80R, S147C, and Q204C in Clontech's GFP

Record Creation Time: 20220422T222254+0000

Record Last Update: 20260815T081559+0000

Ratings and Alerts

No rating or validation information has been found for GPD-roGFP.

No alerts have been found for GPD-roGFP.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Zhao R, et al. (2022) Withaferin A Enhances Mitochondrial Biogenesis and BNIP3-Mediated Mitophagy to Promote Rapid Adaptation to Extreme Hypoxia. Cells, 12(1).

Zhao R, et al. (2021) Fasting promotes acute hypoxic adaptation by suppressing mTOR-mediated pathways. Cell death & disease, 12(11), 1045.

Saldana-Caboverde A, et al. (2020) Hypoxia Promotes Mitochondrial Complex I Abundance via HIF-1?? in Complex III and Complex IV Eficient Cells. Cells, 9(10).

Zhao RZ, et al. (2020) Elevated ROS depress mitochondrial oxygen utilization efficiency in cardiomyocytes during acute hypoxia. Pflugers Archiv : European journal of physiology, 472(11), 1619.