Resource Summary Report

Generated by NIF on Aug 29, 2026

pQE-60 Grx1-roGFP2-His

RRID:Addgene_64799
Type: Plasmid

Proper Citation

RRID:Addgene_64799

Plasmid Information

URL: http://www.addgene.org/64799

Proper Citation: RRID:Addgene_64799

Insert Name: Glutaredoxin-1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:18469822

Vector Backbone Description: Backbone Marker:Qiagen; Vector Backbone:pQE-60; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Discrepancies between the QC and full sequence have no functional consequence.

Plasmid Name: pQE-60 Grx1-roGFP2-His

Record Creation Time: 20220422T222410+0000

Record Last Update: 20260829T080853+0000

Ratings and Alerts

No rating or validation information has been found for pQE-60 Grx1-roGFP2-His.

No alerts have been found for pQE-60 Grx1-roGFP2-His.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Kim J, et al. (2026) Graphene Quantum Dots Mitigate Oxidative Stress in Bacteria. bioRxiv : the preprint server for biology.

Kou TS, et al. (2022) Exogenous glycine promotes oxidation of glutathione and restores sensitivity of bacterial pathogens to serum-induced cell death. Redox biology, 58, 102512.

Ebersoll S, et al. (2020) A tryparedoxin-coupled biosensor reveals a mitochondrial trypanothione metabolism in trypanosomes. eLife, 9.

Croppi G, et al. (2020) Discovery of an Inhibitor for Bacterial 3-Mercaptopyruvate Sulfurtransferase that Synergistically Controls Bacterial Survival. Cell chemical biology, 27(12), 1483.

Shokhina AG, et al. (2019) Red fluorescent redox-sensitive biosensor Grx1-roCherry. Redox biology, 21, 101071.