

Resource Summary Report

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

pMOS016: roGFP2-Orp1 H2O2 oxidation sensor (cytosolic)

RRID:Addgene_163058

Type: Plasmid

Proper Citation

RRID:Addgene_163058

Plasmid Information

URL: <http://www.addgene.org/163058>

Proper Citation: RRID:Addgene_163058

Insert Name: roGFP2-Orp1

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32753572](#)

Vector Backbone Description: Backbone Size:9377; Vector Backbone:pLX304; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: Please see PMID: 19755417 for original reporter gene characterization.

Plasmid Name: pMOS016: roGFP2-Orp1 H2O2 oxidation sensor (cytosolic)

Record Creation Time: 20220422T221922+0000

Record Last Update: 20260725T074141+0000

Ratings and Alerts

No rating or validation information has been found for pMOS016: roGFP2-Orp1 H2O2 oxidation sensor (cytosolic).

No alerts have been found for pMOS016: roGFP2-Orp1 H2O2 oxidation sensor (cytosolic).

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](#) .

Fichman Y, et al. (2024) Propagation of a rapid cell-to-cell H₂O₂ signal over long distances in a monolayer of cardiomyocyte cells. Redox biology, 70, 103069.