

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pCS2+HyPer7-NES

RRID:Addgene_136467

Type: Plasmid

Proper Citation

RRID:Addgene_136467

Plasmid Information

URL: <http://www.addgene.org/136467>

Proper Citation: RRID:Addgene_136467

Insert Name: HyPer7

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32130885](#)

Vector Backbone Description: Vector Backbone:pCS2+; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCS2+HyPer7-NES

Record Creation Time: 20220422T221752+0000

Record Last Update: 20260725T073902+0000

Ratings and Alerts

No rating or validation information has been found for pCS2+HyPer7-NES.

No alerts have been found for pCS2+HyPer7-NES.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Grossi A, et al. (2026) Differentiation Treatment Applied to Lung Cancer Model Reduces Pathogenic Traits in Vitro. *Advanced biology*, 10(1), e00371.

Pellavio G, et al. (2025) Sigma1 Receptor Modulates Plasma Membrane and Mitochondrial Peroxiporins. *Cells*, 14(14).

Novosolova N, et al. (2025) Oxidative modulation of Piezo1 channels. *Redox biology*, 86, 103797.

Esparza-Moltó PB, et al. (2025) ROS-dependent localization of glycolytic enzymes to mitochondria. *Redox biology*, 86, 103812.

Kaesler N, et al. (2025) Vitamin K preserves gamma-glutamyl carboxylase activity against carbamylations in uremia: Implications for vascular calcification and adjunct therapies. *Acta physiologica (Oxford, England)*, 241(5), e70040.

Young M, et al. (2024) Transcriptional regulation in the absence of inositol trisphosphate receptor calcium signaling. *Frontiers in cell and developmental biology*, 12, 1473210.

Sharifi S, et al. (2024) Non-esterified fatty acid palmitate facilitates oxidative endoplasmic reticulum stress and apoptosis of β -cells by upregulating ERO-1 α expression. *Redox biology*, 73, 103170.

Chen HR, et al. (2024) MOF-mediated PRDX1 acetylation regulates inflammatory macrophage activation. *Cell reports*, 43(9), 114682.

Shashkovskaya VS, et al. (2023) Delivery of Lipid Nanoparticles with ROS Probes for Improved Visualization of Hepatocellular Carcinoma. *Biomedicines*, 11(7).

Chen Z, et al. (2023) Ether phospholipids are required for mitochondrial reactive oxygen species homeostasis. *Nature communications*, 14(1), 2194.

Pellavio G, et al. (2023) Polyacrylic-Coated Solid Nanoparticles Increase the Aquaporin Permeability to Hydrogen Peroxide. *International journal of molecular sciences*, 25(1).

Pellavio G, et al. (2022) Cerium Oxide Nanoparticles Regulate Oxidative Stress in HeLa Cells by Increasing the Aquaporin-Mediated Hydrogen Peroxide Permeability. *International journal of molecular sciences*, 23(18).

Pellavio G, et al. (2022) Aquaporin-6 May Increase the Resistance to Oxidative Stress of Malignant Pleural Mesothelioma Cells. *Cells*, 11(12).

Zhang R, et al. (2022) Cellular signals converge at the NOX2-SHP-2 axis to induce reductive carboxylation in cancer cells. *Cell chemical biology*, 29(7), 1200.

Zhao Q, et al. (2018) Structure and mechanogating mechanism of the Piezo1 channel. *Nature*, 554(7693), 487.