

Resource Summary Report

Generated by [NIF](#) on Aug 23, 2026

mOrange2-Peroxisomes-2

RRID:Addgene_54596

Type: Plasmid

Proper Citation

RRID:Addgene_54596

Plasmid Information

URL: <http://www.addgene.org/54596>

Proper Citation: RRID:Addgene_54596

Insert Name: mOrange2-Peroxisomes

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:20150100](#)

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mOrange2;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 549; Emission = 565

Plasmid Name: mOrange2-Peroxisomes-2

Record Creation Time: 20220422T222319+0000

Record Last Update: 20260815T081641+0000

Ratings and Alerts

No rating or validation information has been found for mOrange2-Peroxisomes-2.

No alerts have been found for mOrange2-Peroxisomes-2.

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 [NIF](#) .

Rhoads SN, et al. (2025) Neurons and astrocytes have distinct organelle signatures and responses to stress. Cell reports, 44(9), 116280.

Zheng D, et al. (2024) High-content image screening to identify chemical modulators for peroxisome and ferroptosis. Cellular & molecular biology letters, 29(1), 26.

Zimmermann JA, et al. (2024) Functional multi-organelle units control inflammatory lipid metabolism of macrophages. Nature cell biology, 26(8), 1261.

Pearson YE, et al. (2022) A statistical framework for high-content phenotypic profiling using cellular feature distributions. Communications biology, 5(1), 1409.