

Resource Summary Report

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

pALOD4

RRID:Addgene_111026

Type: Plasmid

Proper Citation

RRID:Addgene_111026

Plasmid Information

URL: <http://www.addgene.org/111026>

Proper Citation: RRID:Addgene_111026

Insert Name: Domain 4 of Anthrolysin O

Organism: Bacillus Anthracis

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25809258](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2887; Vector Backbone:pRSET-B; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pALOD4

Relevant Mutation: Mutations: S404C, C472A

Record Creation Time: 20220422T221540+0000

Record Last Update: 20260725T073504+0000

Ratings and Alerts

No rating or validation information has been found for pALOD4.

No alerts have been found for pALOD4.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Hong SG, et al. (2024) Mechanosensitive membrane domains regulate calcium entry in arterial endothelial cells to protect against inflammation. The Journal of clinical investigation, 134(13).

Xiao X, et al. (2023) Hepatic nonvesicular cholesterol transport is critical for systemic lipid homeostasis. Nature metabolism, 5(1), 165.

Chen FW, et al. (2022) Activation of mitochondrial TRAP1 stimulates mitochondria-lysosome crosstalk and correction of lysosomal dysfunction. iScience, 25(9), 104941.

Navia-Pelaez JM, et al. (2021) Normalization of cholesterol metabolism in spinal microglia alleviates neuropathic pain. The Journal of experimental medicine, 218(7).

Johnson KA, et al. (2021) The use of anthrolysin O and ostreolysin A to study cholesterol in cell membranes. Methods in enzymology, 649, 543.

Wang S, et al. (2020) Cholesterol 25-Hydroxylase inhibits SARS-CoV-2 and other coronaviruses by depleting membrane cholesterol. The EMBO journal, 39(21), e106057.