

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pcDNA3.1-hNox1

RRID:Addgene_58344

Type: Plasmid

Proper Citation

RRID:Addgene_58344

Plasmid Information

URL: <http://www.addgene.org/58344>

Proper Citation: RRID:Addgene_58344

Insert Name: NADPH oxidase 1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10615049](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5500; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1-hNox1

Record Creation Time: 20220422T222338+0000

Record Last Update: 20260815T081715+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1-hNox1.

No alerts have been found for pcDNA3.1-hNox1.

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 [RRID](#) .

Dakik H, et al. (2021) Characterization of NADPH Oxidase Expression and Activity in Acute Myeloid Leukemia Cell Lines: A Correlation with the Differentiation Status. Antioxidants (Basel, Switzerland), 10(3).

Miyano K, et al. (2020) Constitutive activity of NADPH oxidase 1 (Nox1) that promotes its own activity suppresses the colon epithelial cell migration. Free radical research, 54(8-9), 640.

Miyano K, et al. (2020) The NADPH oxidase NOX4 promotes the directed migration of endothelial cells by stabilizing vascular endothelial growth factor receptor 2 protein. The Journal of biological chemistry, 295(33), 11877.

Schwerd T, et al. (2018) NOX1 loss-of-function genetic variants in patients with inflammatory bowel disease. Mucosal immunology, 11(2), 562.