

Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

pGL2-NOS2Promoter-Luciferase

RRID:Addgene_19296

Type: Plasmid

Proper Citation

RRID:Addgene_19296

Plasmid Information

URL: <http://www.addgene.org/19296>

Proper Citation: RRID:Addgene_19296

Insert Name: NOS2 Promoter

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:7692452](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:5598; Vector Backbone:pGL2-Basic; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Ampicillin

Plasmid Name: pGL2-NOS2Promoter-Luciferase

Record Creation Time: 20220422T222045+0000

Record Last Update: 20260808T081350+0000

Ratings and Alerts

No rating or validation information has been found for pGL2-NOS2Promoter-Luciferase.

No alerts have been found for pGL2-NOS2Promoter-Luciferase.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Tedeschi G, et al. (2024) Monitoring macrophage polarization with gene expression reporters and bioluminescence phasor analysis. *bioRxiv : the preprint server for biology*.

Mas-Rosario JA, et al. (2023) Murine macrophage-based iNos reporter reveals polarization and reprogramming in the context of breast cancer. *Frontiers in oncology*, 13, 1151384.

Czarnek M, et al. (2022) shRNAs targeting mouse Adam10 diminish cell response to proinflammatory stimuli independently of Adam10 silencing. *Biology open*, 11(3).

Wheeler MA, et al. (2019) Environmental Control of Astrocyte Pathogenic Activities in CNS Inflammation. *Cell*, 176(3), 581.

Collmann FM, et al. (2018) Imaging Reporter Strategy to Monitor Gene Activation of Microglia Polarisation States under Stimulation. *Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology*, 13(3), 371.

Sahu SK, et al. (2017) MicroRNA 26a (miR-26a)/KLF4 and CREB-C/EBP β regulate innate immune signaling, the polarization of macrophages and the trafficking of *Mycobacterium tuberculosis* to lysosomes during infection. *PLoS pathogens*, 13(5), e1006410.

Shen Y, et al. (2017) Bioenergetic state regulates innate inflammatory responses through the transcriptional co-repressor CtBP. *Nature communications*, 8(1), 624.

Johnson ZI, et al. (2016) RNA Sequencing Reveals a Role of TonEBP Transcription Factor in Regulation of Pro-inflammatory Genes in Response to Hyperosmolarity in Healthy Nucleus Pulposus Cells: A HOMEOSTATIC RESPONSE? *The Journal of biological chemistry*, 291(52), 26686.

Yun CH, et al. (2015) A Novel Synthetic Compound, YH-1118, Inhibited LPS-Induced Inflammatory Response by Suppressing I κ B Kinase/NF- κ B Pathway in Raw 264.7 Cells. *Journal of microbiology and biotechnology*, 25(7), 1047.

Alamuru NP, et al. (2014) A novel immunomodulatory function of PHLPP1: inhibition of iNOS via attenuation of STAT1 ser727 phosphorylation in mouse macrophages. *Journal of leukocyte biology*, 95(5), 775.

Tsutsuki H, et al. (2012) Subtilase cytotoxin enhances *Escherichia coli* survival in macrophages by suppression of nitric oxide production through the inhibition of NF- κ B activation. *Infection and immunity*, 80(11), 3939.