

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

pcDNA3-CD68 promoter/enhancer

RRID:Addgene_34837

Type: Plasmid

Proper Citation

RRID:Addgene_34837

Plasmid Information

URL: <http://www.addgene.org/34837>

Proper Citation: RRID:Addgene_34837

Insert Name: CD68 promoter/enhancer -680/+140

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11907098](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The CD68 promoter/enhancer in this construct consists of ~680bp 5' of the ATG and the 83bp first intron of human CD68. Please note that Addgene's sequencing results found a single nucleotide deletion at bp# 440 when compared to the full plasmid sequence provided by the depositor. The depositing scientist states that it is probably a polymorphism in the promoter and is not a concern for the function of the plasmid.

Plasmid Name: pcDNA3-CD68 promoter/enhancer

Record Creation Time: 20220422T222148+0000

Record Last Update: 20260919T091722+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-CD68 promoter/enhancer.

No alerts have been found for pcDNA3-CD68 promoter/enhancer.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Trotta R, et al. (2025) Activated T Cells Break Tumor Immunosuppression by Macrophage Reeducation. *Cancer discovery*, 15(7), 1410.

Serrano C, et al. (2024) Simple and highly specific targeting of resident microglia with adeno-associated virus. *iScience*, 27(9), 110706.

Xiao Y, et al. (2024) Macrophages regulate healing-associated fibroblasts in diabetic wound. *Molecular biology reports*, 51(1), 203.

Hou Y, et al. (2022) Inhibition of angiogenetic macrophages reduces disc degeneration-associated pain. *Frontiers in bioengineering and biotechnology*, 10, 962155.

Zhu L, et al. (2021) PlGF Reduction Compromises Angiogenesis in Diabetic Foot Disease Through Macrophages. *Frontiers in immunology*, 12, 736153.

Smith RJ, et al. (2020) Endothelialization of arterial vascular grafts by circulating monocytes. *Nature communications*, 11(1), 1622.

Hou Y, et al. (2020) Epigenetic modulation of macrophage polarization prevents lumbar disc degeneration. *Aging*, 12(8), 6558.

Grace PM, et al. (2016) Morphine paradoxically prolongs neuropathic pain in rats by amplifying spinal NLRP3 inflammasome activation. *Proceedings of the National Academy of Sciences of the United States of America*, 113(24), E3441.