Resource Summary Report

Generated by RRID on Aug 26, 2026

pAAV CD68-hM4D(Gi)-mCherry

RRID:Addgene_75033
Type: Plasmid

Proper Citation

RRID:Addgene_75033

Plasmid Information

URL: http://www.addgene.org/75033

Proper Citation: RRID:Addgene_75033

Insert Name: hM4D(Gi)-mCherry

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:27247388

Vector Backbone Description: Backbone Size:4023; Vector Backbone:AAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: These plasmids were generated as part of the Illuminating the Druggable Genome (IDG) program sponsored by the NIH Common Fund. The goal of this program is to identify, gather, and distribute information and resources for proteins that currently are not well-studied yet belong to commonly drug-targeted protein families: protein kinases, non-olfactory G-protein coupled receptors (GPCRs), and ion channels. The IDG program is designed to develop fundamental research tools for understudied proteins, elucidate their function, and disseminate the IDG-related resources and data to the greater scientific community.

Plasmid Name: pAAV CD68-hM4D(Gi)-mCherry

Record Creation Time: 20220422T222456+0000

Record Last Update: 20260815T081942+0000

Ratings and Alerts

No rating or validation information has been found for pAAV CD68-hM4D(Gi)-mCherry.

No alerts have been found for pAAV CD68-hM4D(Gi)-mCherry.

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 RRID .

Mirzaei R, et al. (2026) Spatial single-cell profiling identifies protein kinase C??-expressing microglia with anti-tumor function in glioblastoma. iScience, 29(1), 114281.

Li Z, et al. (2025) Targeted deletion of EMMPRIN in microglia/macrophages mitigates neuronal death in intracerebral hemorrhage. Molecular neurodegeneration, 21(1), 4.

Smiley CE, et al. (2024) The role of locus coeruleus neuroimmune signaling in the response to social stress in female rats. bioRxiv : the preprint server for biology.

Yeo S, et al. (2023) Primary cilia-mediated regulation of microglial secretion in Alzheimer's disease. Frontiers in molecular biosciences, 10, 1250335.

Shah S, et al. (2022) Microglia-Specific Promoter Activities of HEXB Gene. Frontiers in cellular neuroscience, 16, 808598.

Dickerson MT, et al. (2022) Gi/o protein-coupled receptor inhibition of beta-cell electrical excitability and insulin secretion depends on Na+/K+ ATPase activation. Nature communications, 13(1), 6461.