Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

C57BL/6JGpt-Lyz2$^{em1Cin(iCre)}$/Gpt

RRID:IMSR_GPT:T003822
Type: Organism

Proper Citation

RRID:IMSR_GPT:T003822

Organism Information

URL: https://en.gempharmatech.com/product/details100035_3691575.html

Proper Citation: RRID:IMSR_GPT:T003822

Description: Mus musculus with name C57BL/6JGpt-Lyz2$^{em1Cin(iCre)}$/Gpt from IMSR.

Species: Mus musculus

Notes: gene symbol note: lysozyme 2; coisogenic strain: Lyz2;iCre

Affected Gene: lysozyme 2

Catalog Number: GPT:T003822

Database: GemPharmatech

Database Abbreviation: GPT

Availability: embryo

Organism Name: C57BL/6JGpt-Lyz2$^{em1Cin(iCre)}$/Gpt

Record Creation Time: 20250513T053932+0000

Record Last Update: 20260808T051121+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6JGpt-Lyz2$^{em1Cin(iCre)}$/Gpt.

No alerts have been found for C57BL/6JGpt-Lyz2$^{em1Cin(iCre)}$/Gpt.

Data and Source Information

Source: Integrated Animals

Source Database: GemPharmatech

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Ni J, et al. (2026) Targeting Myeloid FoxO1 Ameliorates Sepsis-induced Intestinal Injury by Modulating Tim4+ Macrophage Glycolysis. International journal of biological sciences, 22(1), 239.

Wang Y, et al. (2026) Escherichia coli Nissle 1917 Modulates the RNF150/ELAVL1 Ubiquitination Pathway to Ameliorate Obesity-driven Insulin Resistance in High-fat Diet-fed Mice. Cellular and molecular gastroenterology and hepatology, 20(5), 101719.

He J, et al. (2026) Differential regulation of hepatic macrophage fate by Chi3l1 in metabolic dysfunction-associated steatotic liver disease. eLife, 14.

Zhang ZD, et al. (2026) MITA/STING-driven CD38 induction in Siglec-Flow macrophages promotes regulatory T cell survival and non-small cell lung cancer progression. Developmental cell.

Zhao Y, et al. (2026) Gut pathogen Clostridium symbiosum rewires macrophage succinylation to drive enteric neuron loss in inflammatory bowel disease. Cell host & microbe, 34(4), 620.

Lai W, et al. (2026) RUNX2 and USP16 stabilize MFRN2 to maintain pulmonary epithelial barrier integrity in sepsis-induced acute lung injury. Cell reports, 45(4), 117184.

Huang Z, et al. (2025) Macrophage WEE1 Directly Binds to and Phosphorylates NF-?B p65 Subunit to Induce Inflammatory Response and Drive Atherosclerosis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(26), e2503192.

Zhang YP, et al. (2025) PAI-1-driven SFRP2high cancer-associated fibroblasts hijack the abscopal effect of radioimmunotherapy. Cancer cell, 43(5), 856.

Wu W, et al. (2025) Sweetener aspartame aggravates atherosclerosis through insulin-triggered inflammation. Cell metabolism, 37(5), 1075.

Xu Y, et al. (2025) Tubule-Derived IFN-? Promotes GSDMD-Mediated Macrophage Pyroptosis to Drive Renal Inflammation and Fibrosis Through JAK2/STAT2 Activation. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e12278.

Zhou RN, et al. (2024) Rhein targets macrophage SIRT2 to promote adipose tissue thermogenesis in obesity in mice. Communications biology, 7(1), 1003.

Luo S, et al. (2024) Cholinergic macrophages promote the resolution of peritoneal inflammation. Proceedings of the National Academy of Sciences of the United States of

America, 121(27), e2402143121.

Wu J, et al. (2024) Microbiota-induced alteration of kynurenine metabolism in macrophages drives formation of creeping fat in Crohn's disease. Cell host & microbe, 32(11), 1927.

Zhang C, et al. (2024) Secreted PTEN binds PLXDC2 on macrophages to drive antitumor immunity and tumor suppression. Developmental cell, 59(23), 3072.

Zhang Y, et al. (2024) Macrophage MCT4 inhibition activates reparative genes and protects from atherosclerosis by histone H3 lysine 18 lactylation. Cell reports, 43(5), 114180.

Yan J, et al. (2024) Macrophage NRF1 promotes mitochondrial protein turnover via the ubiquitin proteasome system to limit mitochondrial stress and inflammation. Cell reports, 43(10), 114780.