Resource Summary Report

Generated by dkNET on Sep 18, 2026

STOCK Lyz2$^{tm1(cre/ERT2)Grtn}$/J

RRID:IMSR_JAX:031674
Type: Organism

Proper Citation

RRID:IMSR_JAX:031674

Organism Information

URL: https://www.jax.org/strain/031674

Proper Citation: RRID:IMSR_JAX:031674

Description: Mus musculus with name STOCK Lyz2$^{tm1(cre/ERT2)Grtn}$/J from IMSR.

Species: Mus musculus

Synonyms: FVB.129P2(Cg)-Lyz2/J

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 (human) fusion gene|lysozyme 2; mutant stock: cre/ERT2|Lyz2

Affected Gene: Cre recombinase and estrogen receptor 1 (human) fusion gene|lysozyme 2

Genomic Alteration: targeted mutation 1; Florian R Greten

Catalog Number: JAX:031674

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Lyz2$^{tm1(cre/ERT2)Grtn}$/J

Record Creation Time: 20250513T053824+0000

Record Last Update: 20260912T060559+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Lyz2$^{tm1(cre/ERT2)Grtn}/J$.

No alerts have been found for STOCK Lyz2$^{tm1(cre/ERT2)Grtn}/J$.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 216 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Feng Z, et al. (2026) Tmem110 regulates the conformation of TRPML1 to maintain endolysosomal homeostasis and prevent mitochondrial DNA leakage and pathological self-DNA processing. Nature communications, 17(1), 1678.

Wang L, et al. (2026) Sec8: a novel positive regulator of RIG-I in anti-RNA viral defense. Cell death & disease, 17(1), 165.

Wang J, et al. (2026) Targeting macrophage-derived SPP1 enhances CD8 T cell infiltration via ROS-DNA fragment/cGAS-STING/STAT1-mediated CXCL9/10 in tumor microenvironment. Journal for immunotherapy of cancer, 14(1).

Hildebrand CB, et al. (2026) Telomere damage-mediated senescence in alveolar epithelial type II cells but not in macrophages aggravates inflammation in acute lung injury. Respiratory research, 27(1).

Tan X, et al. (2026) CD1d functions as a ligand for PIRA2 to drive macrophage activation in nonalcoholic fatty liver disease. Cell death & disease, 17(1).

Wang X, et al. (2026) ATG16L1 Regulates Reparative Function of Peritoneal Macrophages During Acute Drug-induced Liver Injury. Cellular and molecular gastroenterology and hepatology, 20(2), 101674.

Zhang L, et al. (2026) Macrophage Nogo-B Drives Liver Fibrosis. Cellular and molecular gastroenterology and hepatology, 20(1), 101622.

Yang X, et al. (2026) Long-term high-protein diet intake accelerates adipocyte senescence through macrophage CD38-mediated NAD+ depletion. Molecular metabolism, 103, 102306.

Hu S, et al. (2026) MAP3K3 Contributes to Myocardial Ischemia/Reperfusion Injury by Promoting Myeloid Cell Diapedesis through TAL1/JAM-A Pathway. Theranostics, 16(4), 1959.

Lee DD, et al. (2026) The redundant protein synthesis gene Aimp1 challenges the canonical inverse relationship between translation and autophagy. Communications biology, 9(1).

Zhang W, et al. (2026) LGMN+ macrophage promotes the formation of a tumor-supportive microenvironment in gastric cancer. Frontiers in immunology, 17, 1810794.

Mao R, et al. (2026) RNA helicase DDX6 governs ASC speck formation in P-bodies and the transition to stress granules via phase separation during inflammasome activation. Cell discovery, 12(1).

Wang M, et al. (2026) Moonlighting cytosolic function of ACAD9: suppression of TRAF6-mediated osteoclastogenesis and protection against osteoporosis. Cell death & disease, 17(1).

Zhang X, et al. (2026) Reactivating exhausted tumor-infiltrating T cells by a bispecific DC-T cell engager in mice. Nature communications, 17(1).

Zan D, et al. (2026) Effect of reticulocalbin 3 on monocyte-to-macrophage differentiation in sepsis through modulating autophagy. Chinese medical journal, 139(11), 1674.

Wang Q, et al. (2026) Macrophage ??-opioid receptor inhibits hypoxic pulmonary hypertension progression and right heart dysfunction via an SCD1-dependent anti-inflammatory response. Genes & diseases, 13(2), 101604.

Xu J, et al. (2026) PINK1/Parkin promotes liver regeneration via Sigma-1 ubiquitination to inhibit ER-Mitochondrial calcium transfer. Theranostics, 16(3), 1410.

Lin Y, et al. (2026) Macrophage Nrf1/NFE2L1-Foxo1 axis controls liver fibrosis by modulation of mitochondrial reprogramming. Theranostics, 16(5), 2269.

Liu J, et al. (2026) Macrophage MERTK restrains GRAMD1A-driven mitochondrial oxysterol trafficking to limit colitis. Redox biology, 93, 104174.

He Y, et al. (2026) ELK1 promotes the progress of myeloid leukemia by hindering the differentiation of neutrophils. Experimental hematology & oncology, 15(1), 9.