

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 2026

C57BL/6N-Gsdme^{em1Fsha}/J

RRID:IMSR_JAX:032411

Type: Organism

Proper Citation

RRID:IMSR_JAX:032411

Organism Information

URL: <https://www.jax.org/strain/032411>

Proper Citation: RRID:IMSR_JAX:032411

Description: Mus musculus with name C57BL/6N-Gsdme^{em1Fsha}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: gasdermin E; coisogenic strain|mutant strain: Gsdme

Affected Gene: gasdermin E

Genomic Alteration: endonuclease-mediated mutation 1; Feng Shao

Catalog Number: JAX:032411

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6N-Gsdme^{em1Fsha}/J

Record Creation Time: 20250513T053828+0000

Record Last Update: 20260919T055012+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6N-Gsdme^{em1Fsha}/J.

No alerts have been found for C57BL/6N-Gsdme^{em1Fsha}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Newen AM, et al. (2026) Distributed clonal deletion prevents autoimmune disease progression. Cell reports, 45(8), 117723.

López-Pérez W, et al. (2025) TAK1 inhibition activates pore-forming proteins to block intracellular bacterial growth through modulating mitochondria. Cell death & disease, 16(1), 456.

Zhang Y, et al. (2025) Pyroptosis of pulmonary fibroblasts and macrophages through NLRC4 inflammasome leads to acute respiratory failure. Cell reports, 44(4), 115479.

Jena KK, et al. (2024) Type III interferons induce pyroptosis in gut epithelial cells and impair mucosal repair. Cell, 187(26), 7533.

Neel DV, et al. (2023) Gasdermin-E mediates mitochondrial damage in axons and neurodegeneration. Neuron, 111(8), 1222.

Simpson DS, et al. (2022) Interferon- γ primes macrophages for pathogen ligand-induced killing via a caspase-8 and mitochondrial cell death pathway. Immunity, 55(3), 423.

Oh C, et al. (2022) Neutrophil inflammasomes sense the subcellular delivery route of translocated bacterial effectors and toxins. Cell reports, 41(8), 111688.

Donado CA, et al. (2020) A Two-Cell Model for IL-1 β Release Mediated by Death-Receptor Signaling. Cell reports, 31(1), 107466.