

Resource Summary Report

Generated by [nidm-terms](#) on Jul 29, 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: 20260725T044527+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 7 mentions in open access literature.

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

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.