

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.Cg-Casp1^{em1Vnce}/J

RRID:IMSR_JAX:032662

Type: Organism

Proper Citation

RRID:IMSR_JAX:032662

Organism Information

URL: <https://www.jax.org/strain/032662>

Proper Citation: RRID:IMSR_JAX:032662

Description: Mus musculus with name B6.Cg-Casp1^{em1Vnce}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: caspase 1; mutant strain|congenic strain: Casp1

Affected Gene: caspase 1

Genomic Alteration: endonuclease-mediated mutation 1; Russell E Vance

Catalog Number: JAX:032662

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Casp1^{em1Vnce}/J

Record Creation Time: 20250513T053830+0000

Record Last Update: 20260725T044528+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Casp1^{em1Vnce}/J.

No alerts have been found for B6.Cg-Casp1^{em1Vnce}/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 [RRID](#) .

Winsor NJ, et al. (2025) Cross-kingdom-mediated detection of intestinal protozoa through NLRP6. *Cell host & microbe*, 33(3), 388.

Bauer R, et al. (2024) NLRP3 promotes allergic responses to birch pollen extract in a model of intranasal sensitization. *Frontiers in immunology*, 15, 1393819.

Hoffmann JP, et al. (2024) Vaccine-elicited IL-1R signaling results in Th17 TRM-mediated immunity. *Communications biology*, 7(1), 433.

Li S, et al. (2022) Microglial NLRP3 inflammasome activates neurotoxic astrocytes in depression-like mice. *Cell reports*, 41(4), 111532.

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

Dos Santos LI, et al. (2021) Disrupted Iron Metabolism and Mortality during Co-infection with Malaria and an Intestinal Gram-Negative Extracellular Pathogen. *Cell reports*, 34(2), 108613.

McDaniel MM, et al. (2020) Suppression of Inflammasome Activation by IRF8 and IRF4 in cDCs Is Critical for T Cell Priming. *Cell reports*, 31(5), 107604.