

Resource Summary Report

Generated by [NIF](#) on Aug 2, 2026

B6N.129S1-Casp3^{tm1Flv/J}

RRID:IMSR_JAX:006233

Type: Organism

Proper Citation

RRID:IMSR_JAX:006233

Organism Information

URL: <https://www.jax.org/strain/006233>

Proper Citation: RRID:IMSR_JAX:006233

Description: Mus musculus with name B6N.129S1-Casp3^{tm1Flv/J} from IMSR.

Species: Mus musculus

Synonyms: B6.129S1-Casp3/J

Notes: gene symbol note: caspase 3; mutant strain|congenic strain: Casp3

Affected Gene: caspase 3

Genomic Alteration: targeted mutation 1; Richard Flavell

Catalog Number: JAX:006233

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6N.129S1-Casp3^{tm1Flv/J}

Record Creation Time: 20250513T053655+0000

Record Last Update: 20260801T050358+0000

Ratings and Alerts

No rating or validation information has been found for B6N.129S1-Casp3^{tm1Flv/J}.

No alerts have been found for B6N.129S1-Casp3^{tm1Flv/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Song J, et al. (2025) Norovirus co-opts NINJ1 for selective protein secretion. Science advances, 11(9), eadu7985.

Wright SS, et al. (2024) A bacterial toxin co-opts caspase-3 to disable active gasdermin D and limit macrophage pyroptosis. Cell reports, 43(4), 114004.

Keary KM, et al. (2023) Dendritic distribution of autophagosomes underlies pathway-selective induction of LTD. Cell reports, 42(8), 112898.

Iberg CA, et al. (2022) TNF- α sculpts a maturation process in vivo by pruning tolerogenic dendritic cells. Cell reports, 39(2), 110657.

Ankawa R, et al. (2021) Apoptotic cells represent a dynamic stem cell niche governing proliferation and tissue regeneration. Developmental cell, 56(13), 1900.

Wang YJ, et al. (2020) Restoration of Cingulate Long-Term Depression by Enhancing Non-apoptotic Caspase 3 Alleviates Peripheral Pain Hypersensitivity. Cell reports, 33(6), 108369.

Girouard MP, et al. (2020) Collapsin Response Mediator Protein 4 (CRMP4) Facilitates Wallerian Degeneration and Axon Regeneration following Sciatic Nerve Injury. eNeuro, 7(2).

Hertz NT, et al. (2019) Neuronally Enriched RUFY3 Is Required for Caspase-Mediated Axon Degeneration. Neuron, 103(3), 412.

Meyer Zu Horste G, et al. (2018) Fas Promotes T Helper 17 Cell Differentiation and Inhibits T Helper 1 Cell Development by Binding and Sequestering Transcription Factor STAT1. Immunity, 48(3), 556.

Gu Z, et al. (2017) Skilled Movements Require Non-apoptotic Bax/Bak Pathway-Mediated Corticospinal Circuit Reorganization. Neuron, 94(3), 626.

Nishimura S, et al. (2015) IL-1 β induces thrombopoiesis through megakaryocyte rupture in response to acute platelet needs. The Journal of cell biology, 209(3), 453.