

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 30, 2026

B6.129X1-Bax^{tm1Sjk/J}

RRID:IMSR_JAX:002994

Type: Organism

Proper Citation

RRID:IMSR_JAX:002994

Organism Information

URL: <https://www.jax.org/strain/002994>

Proper Citation: RRID:IMSR_JAX:002994

Description: Mus musculus with name B6.129X1-Bax^{tm1Sjk/J} from IMSR.

Species: Mus musculus

Synonyms: B6.129X1-Bax. B6.129-Bax/J

Notes: gene symbol note: BCL2-associated X protein; mutant strain|congenic strain: Bax

Affected Gene: BCL2-associated X protein

Genomic Alteration: targeted mutation 1; Stanley J Korsmeyer

Catalog Number: JAX:002994

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129X1-Bax^{tm1Sjk/J}

Record Creation Time: 20250513T053636+0000

Record Last Update: 20260725T044346+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-Bax^{tm1Sjk/J}.

No alerts have been found for B6.129X1-Bax^{tm1Sjk/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Kumari R, et al. (2025) Retrograde control of sympathetic neuron-satellite glia interactions by target-derived NGF signaling. *Cell reports*, 44(12), 116697.

Wright T, et al. (2024) Anti-apoptotic MCL-1 promotes long-chain fatty acid oxidation through interaction with ACSL1. *Molecular cell*.

Vermeiren S, et al. (2023) Prdm12 represses the expression of the visceral neuron determinants Phox2a/b in developing somatosensory ganglia. *iScience*, 26(12), 108364.

Keeley PW, et al. (2022) Cell numbers, cell ratios, and developmental plasticity in the rod pathway of the mouse retina. *Journal of anatomy*.

Brodie-Kommit J, et al. (2021) Atoh7-independent specification of retinal ganglion cell identity. *Science advances*, 7(11).

Miller DS, et al. (2021) Neuronal Dystroglycan regulates postnatal development of CCK/cannabinoid receptor-1 interneurons. *Neural development*, 16(1), 4.

Simon DJ, et al. (2021) An anterograde pathway for sensory axon degeneration gated by a cytoplasmic action of the transcriptional regulator P53. *Developmental cell*, 56(7), 976.

Vagnozzi AN, et al. (2020) Phrenic-specific transcriptional programs shape respiratory motor output. *eLife*, 9.

Simmons AB, et al. (2020) Increased density and age-related sharing of synapses at the cone to OFF bipolar cell synapse in the mouse retina. *The Journal of comparative neurology*, 528(7), 1140.

Carriere CH, et al. (2020) The ??-Protocadherins Regulate the Survival of GABAergic Interneurons during Developmental Cell Death. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(45), 8652.

Bray ER, et al. (2019) Thrombospondin-1 Mediates Axon Regeneration in Retinal Ganglion Cells. *Neuron*, 103(4), 642.

Ferdeks PE, et al. (2017) BH3 mimetic-elicited Ca²⁺ signals in pancreatic acinar cells are dependent on Bax and can be reduced by Ca²⁺-like peptides. *Cell death & disease*, 8(3), e2640.

Yungher BJ, et al. (2017) Regenerative Responses and Axon Pathfinding of Retinal Ganglion Cells in Chronically Injured Mice. *Investigative ophthalmology & visual science*, 58(3), 1743.

Garrett AM, et al. (2016) Replacing the PDZ-interacting C-termini of DSCAM and DSCAML1 with epitope tags causes different phenotypic severity in different cell populations. *eLife*, 5.

Lassot I, et al. (2010) Trim17, a novel E3 ubiquitin-ligase, initiates neuronal apoptosis. *Cell death and differentiation*, 17(12), 1928.