

Resource Summary Report

Generated by T1D on Sep 21, 2026

B6.129P2-Aim2^{Gt(CSG445)}Byg/J

RRID:IMSR_JAX:013144

Type: Organism

Proper Citation

RRID:IMSR_JAX:013144

Organism Information

URL: <https://www.jax.org/strain/013144>

Proper Citation: RRID:IMSR_JAX:013144

Description: Mus musculus with name B6.129P2-Aim2^{Gt(CSG445)}Byg/J from IMSR.

Species: Mus musculus

Synonyms: B6;129P2-Aim/J. B6;129P2-Aim2/J

Notes: gene symbol note: absent in melanoma 2; mutant strain|congenic strain: Aim2

Affected Gene: absent in melanoma 2

Genomic Alteration: gene trap CSG445; BayGenomics

Catalog Number: JAX:013144

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Aim2^{Gt(CSG445)}Byg/J

Record Creation Time: 20250513T053724+0000

Record Last Update: 20260919T054912+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Aim2^{Gt(CSG445)}Byg/J.

No alerts have been found for B6.129P2-Aim2^{Gt(CSG445)}Byg/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 [T1D](#).

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.

Lavagna A, et al. (2020) Recognition of Lipoproteins by Toll-like Receptor 2 and DNA by the AIM2 Inflammasome Is Responsible for Production of Interleukin-1?? by Virulent Suilysin-negative *Streptococcus suis* Serotype 2. *Pathogens* (Basel, Switzerland), 9(2).

Leite JA, et al. (2020) The DNA Sensor AIM2 Protects against Streptozotocin-Induced Type 1 Diabetes by Regulating Intestinal Homeostasis via the IL-18 Pathway. *Cells*, 9(4).

Wortmann M, et al. (2020) Deficiency in Aim2 affects viability and calcification of vascular smooth muscle cells from murine aortas and angiotensin-II induced aortic aneurysms. *Molecular medicine* (Cambridge, Mass.), 26(1), 87.

Lavagna A, et al. (2019) Interleukin-1 signaling induced by *Streptococcus suis* serotype 2 is strain-dependent and contributes to bacterial clearance and inflammation during systemic disease in a mouse model of infection. *Veterinary research*, 50(1), 52.

Banerjee I, et al. (2018) Gasdermin D Restrains Type I Interferon Response to Cytosolic DNA by Disrupting Ionic Homeostasis. *Immunity*, 49(3), 413.

Su S, et al. (2018) Immune Checkpoint Inhibition Overcomes ADCP-Induced Immunosuppression by Macrophages. *Cell*, 175(2), 442.

Li C, et al. (2018) PINK1 and PARK2 Suppress Pancreatic Tumorigenesis through Control of Mitochondrial Iron-Mediated Immunometabolism. *Developmental cell*, 46(4), 441.

Maruzuru Y, et al. (2018) Herpes Simplex Virus 1 VP22 Inhibits AIM2-Dependent Inflammasome Activation to Enable Efficient Viral Replication. *Cell host & microbe*, 23(2), 254.

Nakaya Y, et al. (2017) AIM2-Like Receptors Positively and Negatively Regulate the Interferon Response Induced by Cytosolic DNA. *mBio*, 8(4).

Naik S, et al. (2017) Inflammatory memory sensitizes skin epithelial stem cells to tissue damage. *Nature*, 550(7677), 475.