

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 2026

C.129S2-Stat6^{tm1Gru/J}

RRID:IMSR_JAX:002828

Type: Organism

Proper Citation

RRID:IMSR_JAX:002828

Organism Information

URL: <https://www.jax.org/strain/002828>

Proper Citation: RRID:IMSR_JAX:002828

Description: Mus musculus with name C.129S2-Stat6^{tm1Gru/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: signal transducer and activator of transcription 6; mutant strain|congenic strain: Stat6

Affected Gene: signal transducer and activator of transcription 6

Genomic Alteration: targeted mutation 1; Michael J Grusby

Catalog Number: JAX:002828

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: C.129S2-Stat6^{tm1Gru/J}

Record Creation Time: 20250513T053635+0000

Record Last Update: 20260808T050836+0000

Ratings and Alerts

No rating or validation information has been found for C.129S2-Stat6^{tm1Gru/J}.

No alerts have been found for C.129S2-Stat6^{tm1Gru/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 [ASWG](#) .

Aguilera-Lizarraga J, et al. (2025) Psychological Stress-Induced Local Immune Response to Food Antigens Increases Pain Signaling Across the Gut in Mice. *Gastroenterology*, 169(1), 104.

Crouse B, et al. (2020) Mechanisms of interleukin 4 mediated increase in efficacy of vaccines against opioid use disorders. *NPJ vaccines*, 5, 99.

Kauffmann F, et al. (2018) STAT6 Mediates Footpad Immunopathology in the Absence of IL-12p40 Following Infection of Susceptible BALB/c Mice With *Leishmania major*. *Frontiers in immunology*, 9, 503.

Teruya S, et al. (2018) Egr2-independent, Klf1-mediated induction of PD-L1 in CD4+ T cells. *Scientific reports*, 8(1), 7021.

K??lin S, et al. (2017) A Stat6/Pten Axis Links Regulatory T Cells with Adipose Tissue Function. *Cell metabolism*, 26(3), 475.

Zheng C, et al. (2016) Local proliferation initiates macrophage accumulation in adipose tissue during obesity. *Cell death & disease*, 7(3), e2167.

Hanot Mambres D, et al. (2015) In Situ Characterization of Splenic *Brucella melitensis* Reservoir Cells during the Chronic Phase of Infection in Susceptible Mice. *PloS one*, 10(9), e0137835.

Knudson CJ, et al. (2015) RSV vaccine-enhanced disease is orchestrated by the combined actions of distinct CD4 T cell subsets. *PLoS pathogens*, 11(3), e1004757.

Burton OT, et al. (2013) Direct effects of IL-4 on mast cells drive their intestinal expansion and increase susceptibility to anaphylaxis in a murine model of food allergy. *Mucosal immunology*, 6(4), 740.

Brignull LM, et al. (2013) Reprogramming of lysosomal gene expression by interleukin-4 and Stat6. *BMC genomics*, 14, 853.

Albrecht M, et al. (2012) IL-4 attenuates pulmonary epithelial cell-mediated suppression of T cell priming. *PloS one*, 7(9), e45916.