

# Resource Summary Report

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

## C.129S2-Stat6<sup>tm1Gru/J</sup>

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<sup>tm1Gru/J</sup> 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<sup>tm1Gru/J</sup>

**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<sup>tm1Gru/J</sup>.

No alerts have been found for C.129S2-Stat6<sup>tm1Gru/J</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

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

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.