

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 11, 2026

C.129S2-Stat4^{tm1Gru/J}

RRID:IMSR_JAX:002826

Type: Organism

Proper Citation

RRID:IMSR_JAX:002826

Organism Information

URL: <https://www.jax.org/strain/002826>

Proper Citation: RRID:IMSR_JAX:002826

Description: Mus musculus with name C.129S2-Stat4^{tm1Gru/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: signal transducer and activator of transcription 4; mutant strain|congenic strain: Stat4

Affected Gene: signal transducer and activator of transcription 4

Genomic Alteration: targeted mutation 1; Michael J Grusby

Catalog Number: JAX:002826

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: C.129S2-Stat4^{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-Stat4^{tm1Gru/J}.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human type 1 diabetes mellitus.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Fueyo-González F, et al. (2022) Interferon- γ acts directly on T cells to prolong allograft survival by enhancing regulatory T cell induction through Foxp3 acetylation. *Immunity*, 55(3), 459.

Sciumè G, et al. (2020) Rapid Enhancer Remodeling and Transcription Factor Repurposing Enable High Magnitude Gene Induction upon Acute Activation of NK Cells. *Immunity*, 53(4), 745.

Weinstein JS, et al. (2018) STAT4 and T-bet control follicular helper T cell development in viral infections. *The Journal of experimental medicine*, 215(1), 337.

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