

# Resource Summary Report

Generated by [kravitz2](#) on Jul 28, 2026

## B6;129S4-Col1a1<sup>tm1(tetO-Pou5f1.-Klf4.-Sox2.-Myc)Hoch/J</sup>

RRID:IMSR\_JAX:011001

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:011001

### Organism Information

**URL:** <https://www.jax.org/strain/011001>

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**Description:** Mus musculus with name B6;129S4-Col1a1<sup>tm1(tetO-Pou5f1.-Klf4.-Sox2.-Myc)Hoch/J</sup> from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: collagen; type I; alpha 1|Kruppel-like transcription factor 4 (gut)|POU domain; class 5; transcription factor 1|Myc proto-oncogene; bHLH transcription factor|SRY (sex determining region Y)-box 2|tet operator; mutant stock: Col1a1|Klf4|Pou5f1|Myc|Sox2|tetO

**Affected Gene:** collagen; type I; alpha 1|Kruppel-like transcription factor 4 (gut)|POU domain; class 5; transcription factor 1|Myc proto-oncogene; bHLH transcription factor|SRY (sex determining region Y)-box 2|tet operator

**Genomic Alteration:** targeted mutation 1; Konrad Hochedlinger

**Catalog Number:** JAX:011001

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** B6;129S4-Col1a1<sup>tm1(tetO-Pou5f1.-Klf4.-Sox2.-Myc)Hoch/J</sup>

**Record Creation Time:** 20250513T053718+0000

**Record Last Update:** 20260725T044428+0000

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## Ratings and Alerts

No rating or validation information has been found for B6;129S4-Col1a1<sup>tm1(tetO-Pou5f1.-Klf4.-Sox2.-Myc)</sup>Hoch/J.

No alerts have been found for B6;129S4-Col1a1<sup>tm1(tetO-Pou5f1.-Klf4.-Sox2.-Myc)</sup>Hoch/J.

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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 5 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#).

Pic?? S, et al. (2025) Comparative analysis of mouse strains for in vivo induction of reprogramming factors. Cell reports, 44(7), 115879.

Klagkou E, et al. (2024) An Unbiased Approach to Identifying Cellular Reprogramming-Inducible Enhancers. International journal of molecular sciences, 25(23).

Seruggia D, et al. (2019) TAF5L and TAF6L Maintain Self-Renewal of Embryonic Stem Cells via the MYC Regulatory Network. Molecular cell, 74(6), 1148.

Schwarz BA, et al. (2018) Prospective Isolation of Poised iPSC Intermediates Reveals Principles of Cellular Reprogramming. Cell stem cell, 23(2), 289.

Mor N, et al. (2018) Neutralizing Gatad2a-Chd4-Mbd3/NuRD Complex Facilitates Deterministic Induction of Naive Pluripotency. Cell stem cell, 23(3), 412.