

# Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

## STOCK Ascl1<sup>tm2.1Fgu</sup>/JejoJ

RRID:IMSR\_JAX:037042

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:037042

### Organism Information

**URL:** <https://www.jax.org/strain/037042>

**Proper Citation:** RRID:IMSR\_JAX:037042

**Description:** Mus musculus with name STOCK Ascl1<sup>tm2.1Fgu</sup>/JejoJ from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: achaete-scute family bHLH transcription factor 1; mutant stock: Ascl1

**Affected Gene:** achaete-scute family bHLH transcription factor 1

**Genomic Alteration:** targeted mutation 2.1; Francois Guillemot

**Catalog Number:** JAX:037042

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** STOCK Ascl1<sup>tm2.1Fgu</sup>/JejoJ

**Record Creation Time:** 20250513T053857+0000

**Record Last Update:** 20260808T051051+0000

### Ratings and Alerts

No rating or validation information has been found for STOCK Ascl1<sup>tm2.1Fgu</sup>/JejoJ.

No alerts have been found for STOCK Ascl1<sup>tm2.1Fgu</sup>/JejoJ.

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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 3 mentions in open access literature.

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

Osipovich AB, et al. (2025) Dynamic Ca<sup>2+</sup>-Dependent Transcription Links Metabolic Stress to Impaired  $\beta$ -Cell Identity. Diabetes, 74(9), 1547.

Rodarte KE, et al. (2024) Neuroendocrine Differentiation in Prostate Cancer Requires ASCL1. Cancer research, 84(21), 3522.

Osipovich AB, et al. (2023) Deletion of Ascl1 in pancreatic  $\beta$ -cells improves insulin secretion, promotes parasympathetic innervation, and attenuates dedifferentiation during metabolic stress. Molecular metabolism, 78, 101811.