

Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

C.Cg-Tg(Mx1-cre)1Cgn/J

RRID:IMSR_JAX:005673

Type: Organism

Proper Citation

RRID:IMSR_JAX:005673

Organism Information

URL: <https://www.jax.org/strain/005673>

Proper Citation: RRID:IMSR_JAX:005673

Description: Mus musculus with name C.Cg-Tg(Mx1-cre)1Cgn/J from IMSR.

Species: Mus musculus

Synonyms: Mx1-Cre(BALB/c)

Notes: gene symbol note: |MX dynamin-like GTPase 1|transgene insertion 1; University of Cologne; mutant strain|congenic strain: |Mx1|Tg(Mx1-cre)1Cgn

Affected Gene: |MX dynamin-like GTPase 1|transgene insertion 1; University of Cologne

Genomic Alteration: transgene insertion 1; University of Cologne

Catalog Number: JAX:005673

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C.Cg-Tg(Mx1-cre)1Cgn/J

Record Creation Time: 20250513T053651+0000

Record Last Update: 20260725T044401+0000

Ratings and Alerts

No rating or validation information has been found for C.Cg-Tg(Mx1-cre)1Cgn/J.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human acute myeloid leukemia.

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](#) .

Liu YL, et al. (2024) Fibrous periosteum repairs bone fracture and maintains the healed bone throughout mouse adulthood. *Developmental cell*, 59(9), 1192.

Chapple RH, et al. (2018) ER α promotes murine hematopoietic regeneration through the Ire1 α -mediated unfolded protein response. *eLife*, 7.

Lee SC, et al. (2018) Synthetic Lethal and Convergent Biological Effects of Cancer-Associated Spliceosomal Gene Mutations. *Cancer cell*, 34(2), 225.

Riffelmacher T, et al. (2017) Autophagy-Dependent Generation of Free Fatty Acids Is Critical for Normal Neutrophil Differentiation. *Immunity*, 47(3), 466.