

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 29, 2026

[Tg\(Mx1-cre\)1Cgn; Col1a1^{tm1\(CAG-Mir22\)Ppp}/Col1a1^{tm1\(CAG-Mir22\)Ppp}](#)

RRID:MGI:5527245

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:5527245

Description: Allele Detail: Targeted, Transgenic This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted, Transgenic This is a legacy resource.

Phenotype: increased leukemia incidence, abnormal hematopoietic system morphology/development, enlarged spleen, decreased leukocyte cell number, anemia, abnormal erythropoiesis, increased myeloid dendritic cell number, increased hematopoietic stem cell number, increased T cell derived lymphoma incidence

Affected Gene: Col1a1, Tg(Mx1-cre)1Cgn

Genomic Alteration: Tg(Mx1-cre)1Cgn, tm1(CAG-Mir22)Ppp

Catalog Number: 5527245

Background: Not Specified

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:23827711](#)

Organism Name: Tg(Mx1-cre)1Cgn; Col1a1^{tm1(CAG-Mir22)Ppp}/Col1a1^{tm1(CAG-Mir22)Ppp}

Record Creation Time: 20240120T190102+0000

Record Last Update: 20240130T201715+0000

Ratings and Alerts

No rating or validation information has been found for Tg(Mx1-cre)1Cgn; Col1a1^{tm1(CAG-Mir22)Ppp/Col1a1^{tm1(CAG-Mir22)Ppp}}.

No alerts have been found for Tg(Mx1-cre)1Cgn; Col1a1^{tm1(CAG-Mir22)Ppp/Col1a1^{tm1(CAG-Mir22)Ppp}}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Panella R, et al. (2023) MicroRNA-22 Is a Key Regulator of Lipid and Metabolic Homeostasis. International journal of molecular sciences, 24(16).