

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

[Runx1^{tm1\(RUNX1\)Gcg}/Runx1^{tm1\(RUNX1\)Gcg}; Tg\(Mx1-cre\)1Cgn](#)

RRID:MGI:3621942

Type: Organism

Proper Citation

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Organism Information

URL:

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

Species: Mus musculus

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

Phenotype: abnormal granulocyte differentiation, decreased double-positive T cell number, decreased CD4-positive, alpha beta T cell number, anemia, increased CD8-positive, alpha-beta T cell number, increased metastatic potential, abnormal myelopoiesis, increased T cell derived lymphoma incidence, abnormal T cell differentiation

Affected Gene: Runx1, Tg(Mx1-cre)1Cgn

Genomic Alteration: tm1(RUNX1)Gcg, Tg(Mx1-cre)1Cgn

Catalog Number: 3621942

Background: involves: 129S1/Sv * C57BL/6 * CBA

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:16081688](#), [PMID:16105979](#)

Organism Name: Runx1^{tm1(RUNX1)Gcg}/Runx1^{tm1(RUNX1)Gcg}; Tg(Mx1-cre)1Cgn

Record Creation Time: 20240120T190601+0000

Record Last Update: 20240130T202006+0000

Ratings and Alerts

No rating or validation information has been found for Runx1^{tm1(RUNX1)Gcg}/Runx1^{tm1(RUNX1)Gcg}; Tg(Mx1-cre)1Cgn.

No alerts have been found for Runx1^{tm1(RUNX1)Gcg}/Runx1^{tm1(RUNX1)Gcg}; Tg(Mx1-cre)1Cgn.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.