

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

[Tcirg1^{oc}/Tcirg1^{oc}](#)

RRID:MGI:2174761

Type: Organism

Proper Citation

RRID:MGI:2174761

Organism Information

URL:

Proper Citation: RRID:MGI:2174761

Description: Allele Detail: Spontaneous This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Spontaneous This is a legacy resource.

Phenotype: delayed tooth eruption, circling, extramedullary hematopoiesis, delayed tooth eruption, increased long bone epiphyseal plate size, increased long bone epiphyseal plate size, abnormal long bone hypertrophic chondrocyte zone, failure of bone resorption, increased width of hypertrophic chondrocyte zone, abnormal long bone metaphysis morphology, decreased body size, circling, abnormal long bone metaphysis morphology, abnormal incisor morphology, weight loss, osteopetrosis, increased megakaryocyte cell number, postnatal lethality, complete penetrance, abnormal predentin morphology, abnormal osteoclast morphology, abnormal thyroid gland morphology, decreased body size, decreased body weight, decreased insulin secretion, decreased circulating insulin level

Affected Gene: Tcirg1

Genomic Alteration: oc

Catalog Number: 2174761

Background: B6C3Fe a/a-Tcirg1/J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:3976544](#), [PMID:3998439](#), [PMID:17046993](#), [PMID:10709991](#)

Organism Name: Tcirg1^{OC}/Tcirg1^{OC}

Record Creation Time: 20240120T190801+0000

Record Last Update: 20240130T202114+0000

Ratings and Alerts

No rating or validation information has been found for Tcirg1^{OC}/Tcirg1^{OC}.

No alerts have been found for Tcirg1^{OC}/Tcirg1^{OC}.

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 [NIF](#) .

Berger JM, et al. (2019) Mediation of the Acute Stress Response by the Skeleton. Cell metabolism, 30(5), 890.