

# Resource Summary Report

Generated by [dkNET](#) on Jul 31, 2026

## [Runx2<sup>tm1Kish</sup>/Runx2<sup>tm1Kish</sup>](#)

RRID:MGI:2678409

Type: Organism

---

### Proper Citation

RRID:MGI:2678409

---

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:2678409

**Description:** Allele Detail: Targeted This is a legacy resource.

**Species:** Mus musculus

**Notes:** Allele Detail: Targeted This is a legacy resource.

**Phenotype:** abnormal neurocranium morphology, abnormal bone marrow cavity morphology, anemia, abnormal osteoblast differentiation, respiratory failure, abnormal osteoclast differentiation, abnormal chondrocyte morphology, abnormal long bone epiphyseal plate proliferative zone, abnormal tibia morphology, abnormal neurocranium morphology, small liver, cyanosis, nervous system phenotype, abnormal tibia morphology, disproportionate dwarf, abnormal splenic cell ratio, extramedullary hematopoiesis, increased nucleated erythrocyte cell number, muscle phenotype, abnormal definitive hematopoiesis, neonatal lethality, complete penetrance, decreased thymocyte number, short limbs, abnormal skeleton development, decreased body weight, increased width of hypertrophic chondrocyte zone, abnormal long bone epiphyseal plate morphology, abnormal long bone epiphyseal ossification zone morphology, abnormal cartilage development, abnormal bone marrow cavity morphology, liver hypoplasia, increased granulocyte number, enlarged spleen, decreased B cell number, decreased diameter of tibia, abnormal bone ossification, abnormal osteoclast differentiation, abnormal osteoblast differentiation, abnormal bone ossification, abnormal long bone epiphyseal ossification zone morphology, abnormal femur morphology, abnormal dermal layer morphology

**Affected Gene:** Runx2

**Genomic Alteration:** tm1Kish

**Catalog Number:** 2678409

**Background:** involves: 129P2/OlaHsd \* C57BL/6

**Database:** MGI, Mouse Genome Informatics MGI

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:10593408](#), [PMID:9182763](#), [PMID:10049712](#), [PMID:10213384](#)

**Organism Name:** Runx2<sup>tm1Kish</sup>/Runx2<sup>tm1Kish</sup>

**Record Creation Time:** 20240120T190722+0000

**Record Last Update:** 20240130T202052+0000

---

## Ratings and Alerts

No rating or validation information has been found for Runx2<sup>tm1Kish</sup>/Runx2<sup>tm1Kish</sup>.

No alerts have been found for Runx2<sup>tm1Kish</sup>/Runx2<sup>tm1Kish</sup>.

---

## 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.