

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

[Tg\(Col2a1-cre\)1Rsjo; Hif1a^{tm1Rsjo}/Hif1a^{tm3Rsjo}](#)

RRID:MGI:3621467

Type: Organism

Proper Citation

RRID:MGI:3621467

Organism Information

URL:

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

Species: Mus musculus

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

Phenotype: abnormal sternocostal joint morphology, decreased embryo size, decreased length of long bones, abnormal long bone morphology, abnormal long bone hypertrophic chondrocyte zone, respiratory failure, short limbs, neonatal lethality, complete penetrance, abnormal angiogenesis, abnormal thoracic cage shape, abnormal tracheal cartilage morphology, abnormal sternum morphology, increased long bone epiphyseal plate size, disorganized long bone epiphyseal plate, abnormal cartilage development, abnormal long bone epiphyseal plate proliferative zone, abnormal tracheal ciliated epithelium morphology

Affected Gene: Hif1a

Genomic Alteration: tm1Rsjo, tm3Rsjo, Tg(Col2a1-cre)1Rsjo

Catalog Number: 3621467

Background: involves: 129S1/Sv * 129X1/SvJ * FVB/N

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11691837](#)

Organism Name: Tg(Col2a1-cre)1Rsjo; Hif1a^{tm1Rsjo}/Hif1a^{tm3Rsjo}

Record Creation Time: 20240120T190601+0000

Record Last Update: 20240130T202006+0000

Ratings and Alerts

No rating or validation information has been found for Tg(Col2a1-cre)1Rsjo; Hif1a^{tm1Rsjo}/Hif1a^{tm3Rsjo}.

No alerts have been found for Tg(Col2a1-cre)1Rsjo; Hif1a^{tm1Rsjo}/Hif1a^{tm3Rsjo}.

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.