

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 3, 2026

Tg(SFTPC-rtTA)5Jaw; Tg(tetO-cre)1Jaw; Foxa2 tm1Khk/Foxa2^{tm1Khk}

RRID:MGI:3036449

Type: Organism

Proper Citation

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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: cyanosis, abnormal pulmonary alveolus epithelial cell morphology, postnatal lethality, incomplete penetrance, increased respiratory mucosa goblet cell number, respiratory distress, postnatal lethality, incomplete penetrance, neonatal lethality, incomplete penetrance, pulmonary hyaline membrane formation, abnormal surfactant secretion, dilated respiratory conducting tubes, pulmonary vascular congestion, abnormal pulmonary alveolus wall morphology, increased neutrophil cell number, decreased surfactant secretion, absent alveolar lamellar bodies, abnormal lung saccule morphology, increased macrophage cell number, impaired lung alveolus development, absent type I pneumocytes, abnormal surfactant composition, impaired lung alveolus development, abnormal type II pneumocyte morphology, atelectasis, pup cannibalization

Affected Gene: Foxa2

Genomic Alteration: Tg(tetO-cre)1Jaw, tm1Khk, Tg(SFTPC-rtTA)5Jaw

Catalog Number: 3036449

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

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15452354](#), [PMID:14757645](#)

Organism Name: Tg(SFTPC-rtTA)5Jaw; Tg(tetO-cre)1Jaw; Foxa2^{tm1Khk}/Foxa2^{tm1Khk}

Record Creation Time: 20240120T190708+0000

Record Last Update: 20240130T202044+0000

Ratings and Alerts

No rating or validation information has been found for Tg(SFTPC-rtTA)5Jaw; Tg(tetO-cre)1Jaw; Foxa2^{tm1Khk}/Foxa2^{tm1Khk}.

No alerts have been found for Tg(SFTPC-rtTA)5Jaw; Tg(tetO-cre)1Jaw; Foxa2^{tm1Khk}/Foxa2^{tm1Khk}.

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.