

Resource Summary Report

Generated by [dkNET](#) on Aug 4, 2026

[Tcf21^{tm1Jrt}](#)/[Tcf21^{tm1Jrt}](#)

RRID:MGI:2174757

Type: Organism

Proper Citation

RRID:MGI:2174757

Organism Information

URL:

Proper Citation: RRID:MGI:2174757

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

Species: *Mus musculus*

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

Phenotype: abnormal kidney medulla morphology, hemopericardium, abnormal ovary topology, absent pulmonary alveoli, sex reversal, neonatal lethality, complete penetrance, abnormal kidney blood vessel morphology, abnormal lung vasculature morphology, small lung lobe, secondary sex reversal, respiratory failure, small kidney, abnormal renal glomerulus morphology, abnormal ureteric bud morphology, small lung, absent proximal convoluted tubule brush border, abnormal kidney development, abnormal lung epithelium morphology, abnormal podocyte morphology, decreased renal glomerulus number, delayed kidney development, dilated respiratory conducting tubes, disorganized testis cords, primary sex reversal, small gonad, absent type II pneumocytes, respiratory distress, renal hypoplasia, ectopic ovary, impaired branching involved in bronchus morphogenesis, abnormal pulmonary acinus morphology, impaired branching involved in alveolar sac morphogenesis, abnormal pulmonary alveolar sac morphology, abnormal ureteric bud tip morphology, abnormal proximal convoluted tubule morphology, abnormal ovary morphology, abnormal peritubular capillary morphology, abnormal kidney mesenchyme morphology, abnormal branching involved in ureteric bud morphogenesis, decreased nephron number, abnormal podocyte foot process morphology, abnormal glomerular capillary morphology, pulmonary hypoplasia, impaired branching involved in ureteric bud morphogenesis

Affected Gene: *Tcf21*

Genomic Alteration: *tm1Jrt*

Catalog Number: 2174757

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

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:10572052](#), [PMID:15289436](#)

Organism Name: Tcf21^{tm1Jrt}/Tcf21^{tm1Jrt}

Record Creation Time: 20240120T190801+0000

Record Last Update: 20240130T202114+0000

Ratings and Alerts

No rating or validation information has been found for Tcf21^{tm1Jrt}/Tcf21^{tm1Jrt}.

No alerts have been found for Tcf21^{tm1Jrt}/Tcf21^{tm1Jrt}.

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.