

Resource Summary Report

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

[Fzd4^{tm1Nat}](#)/[Fzd4^{tm1Nat}](#)

RRID:MGI:3622318

Type: Organism

Proper Citation

RRID:MGI:3622318

Organism Information

URL:

Proper Citation: RRID:MGI:3622318

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

Species: *Mus musculus*

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

Phenotype: male infertility, short stride length, persistence of hyaloid vascular system, abnormal stria vascularis morphology, impaired luteal cell differentiation, cochlear hair cell degeneration, abnormal posture, premature death, female infertility, abnormal digestion, decreased skeletal muscle fiber diameter, abnormal organ of Corti morphology, stria vascularis degeneration, abnormal esophagus morphology, impaired hearing, absent startle reflex, abnormal gait, increased or absent threshold for auditory brainstem response, decreased startle reflex, abnormal astrocyte physiology, abnormal stria vascularis vasculature morphology, ataxia, cerebellum hypoplasia, cochlear outer hair cell degeneration, cochlear inner hair cell degeneration, hemorrhage, abnormal esophageal squamous epithelium morphology, enlarged esophagus, abnormal cerebellar granule layer morphology, abnormal cerebellum morphology, diluted coat color, abnormal retinal vasculature morphology, retinal hemorrhage, failure of embryo implantation, abnormal corpus luteum morphology, impaired luteinization, reproductive system phenotype, abnormal vascular development, decreased circulating progesterone level, absent corpus luteum, hunched posture, weight loss, decreased Purkinje cell number

Affected Gene: *Fzd4*

Genomic Alteration: *tm1Nat*

Catalog Number: 3622318

Background: involves: 129S1/Sv * 129X1/SvJ * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11425903](#), [PMID:16093361](#), [PMID:15035989](#)

Organism Name: Fzd4^{tm1Nat}/Fzd4^{tm1Nat}

Record Creation Time: 20240120T190600+0000

Record Last Update: 20240130T202005+0000

Ratings and Alerts

No rating or validation information has been found for Fzd4^{tm1Nat}/Fzd4^{tm1Nat}.

No alerts have been found for Fzd4^{tm1Nat}/Fzd4^{tm1Nat}.

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.