

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

[Notch4^{tm1Grid}/Notch4^{tm1Grid}](#); [Notch1^{tm1Grid}/Notch1^{tm1Grid}](#)

RRID:MGI:3580253

Type: Organism

Proper Citation

RRID:MGI:3580253

Organism Information

URL:

Proper Citation: RRID:MGI:3580253

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

Species: Mus musculus

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

Phenotype: abnormal anterior cardinal vein morphology, open neural tube, pericardial edema, incomplete somite formation, decreased angiogenesis, abnormal dorsal aorta morphology, abnormal intersomitic vessel morphology, incomplete embryo turning, abnormal placenta vasculature, abnormal vein morphology, absent vitelline blood vessels, pale yolk sac

Affected Gene: Notch4, Notch1

Genomic Alteration: tm1Grid

Catalog Number: 3580253

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

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:10837027](#)

Organism Name: Notch4^{tm1Grid}/Notch4^{tm1Grid}; Notch1^{tm1Grid}/Notch1^{tm1Grid}

Record Creation Time: 20240120T190630+0000

Record Last Update: 20240130T202022+0000

Ratings and Alerts

No rating or validation information has been found for Notch4^{tm1Grid}/Notch4^{tm1Grid}; Notch1^{tm1Grid}/Notch1^{tm1Grid}.

No alerts have been found for Notch4^{tm1Grid}/Notch4^{tm1Grid}; Notch1^{tm1Grid}/Notch1^{tm1Grid}.

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.