

Resource Summary Report

Generated by [T1D](#) on Sep 22, 2026

[Pomgnt1](#)[Gt\(OST179231\)Lex](#)/[Pomgnt1](#)[Gt\(OST179231\)Lex](#)

RRID:MGI:3624438

Type: Organism

Proper Citation

RRID:MGI:3624438

Organism Information

URL:

Proper Citation: RRID:MGI:3624438

Description: Allele Detail: Gene trapped This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Gene trapped This is a legacy resource.

Phenotype: thin retinal outer nuclear layer, abnormal eye electrophysiology, abnormal tongue muscle morphology, limb grasping, decreased body size, male infertility, centrally nucleated skeletal muscle fibers, cardiovascular system phenotype, dystrophic muscle, abnormal cerebellum morphology, abnormal cerebellar foliation, abnormal cerebral cortex morphology, decreased litter size, reduced female fertility, abnormal stratification in cerebral cortex, abnormal dentate gyrus morphology, abnormal hippocampus morphology, impaired basement membrane formation, abnormal retina inner limiting membrane morphology, increased variability of skeletal muscle fiber size, abnormal skeletal muscle fiber morphology, thin cerebral cortex, small cerebellum, decreased retinal ganglion cell number, abnormal retinal layer morphology, abnormal optic nerve morphology, thin retinal inner nuclear layer, abnormal basement membrane morphology, dilated lateral ventricles

Affected Gene: Pomgnt1

Genomic Alteration: Gt(OST179231)Lex

Catalog Number: 3624438

Background: involves: 129S5/SvEvBrd * C57BL/6J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:23454088](#), [PMID:16458488](#)

Organism Name: Pomgnt1^{Gt(OST179231)Lex}/Pomgnt1^{Gt(OST179231)Lex}

Record Creation Time: 20240120T190558+0000

Record Last Update: 20240130T202004+0000

Ratings and Alerts

No rating or validation information has been found for Pomgnt1^{Gt(OST179231)Lex}/Pomgnt1^{Gt(OST179231)Lex}.

No alerts have been found for Pomgnt1^{Gt(OST179231)Lex}/Pomgnt1^{Gt(OST179231)Lex}.

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.