

Resource Summary Report

Generated by [NIF](#) on Aug 17, 2026

[Cyp7a1^{tm1Rus}/Cyp7a1^{tm1Rus}](#)

RRID:MGI:3694477

Type: Organism

Proper Citation

RRID:MGI:3694477

Organism Information

URL:

Proper Citation: RRID:MGI:3694477

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

Species: Mus musculus

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

Phenotype: steatorrhea, decreased intestinal cholesterol absorption, abnormal liver morphology, perinatal lethality, incomplete penetrance, postnatal lethality, incomplete penetrance, decreased birth weight, postnatal growth retardation, abnormal fat-soluble vitamin level, abnormal bile salt homeostasis, greasy coat, abnormal skin condition, oily skin, dry skin, flaky skin, abnormal epidermis stratum basale morphology, abnormal epidermis stratum granulosum morphology, abnormal skin morphology, hyperkeratosis, thin dermal layer, thin epidermis stratum spinosum, abnormal vision, delayed eyelid opening, decreased exploration in new environment, hypoactivity, abnormal liver physiology, abnormal bile salt level, abnormal lipid homeostasis, abnormal fat-soluble vitamin level, abnormal bile composition

Affected Gene: Cyp7a1

Genomic Alteration: tm1Rus

Catalog Number: 3694477

Background: involves: 129S7/SvEvBrd * C57BL/6J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:8663429](#), [PMID:8663430](#), [PMID:11368757](#)

Organism Name: Cyp7a1^{tm1Rus}/Cyp7a1^{tm1Rus}

Record Creation Time: 20240120T190536+0000

Record Last Update: 20240130T201951+0000

Ratings and Alerts

No rating or validation information has been found for Cyp7a1^{tm1Rus}/Cyp7a1^{tm1Rus}.

No alerts have been found for Cyp7a1^{tm1Rus}/Cyp7a1^{tm1Rus}.

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.