

Resource Summary Report

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

[Gucy1b1^{tm1.1Frb}](#)/[Gucy1b1^{tm1.1Frb}](#)

RRID:MGI:3711171

Type: Organism

Proper Citation

RRID:MGI:3711171

Organism Information

URL:

Proper Citation: RRID:MGI:3711171

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

Species: Mus musculus

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

Phenotype: decreased body weight, premature death, enlarged cecum, peritoneal inflammation, dilated esophagus, neonatal lethality, incomplete penetrance, abnormal systemic arterial blood pressure, postnatal growth retardation, embryonic lethality between implantation and somite formation, complete penetrance, dilated gallbladder, enlarged stomach, increased systemic arterial systolic blood pressure, abnormal vasodilation, distended cecum, abnormal platelet activation, abnormal intestine morphology, abnormal intestinal transit time, intestinal hypoperistalsis, abnormal cecum morphology

Affected Gene: Gucy1b1

Genomic Alteration: tm1.1Frb

Catalog Number: 3711171

Background: involves: 129 * C57BL/6 * FVB/N

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:17452643](#)

Organism Name: Gucy1b1^{tm1.1Frb}/Gucy1b1^{tm1.1Frb}

Record Creation Time: 20240120T190522+0000

Record Last Update: 20240130T201942+0000

Ratings and Alerts

No rating or validation information has been found for Gucy1b1^{tm1.1Frb}/Gucy1b1^{tm1.1Frb}.

No alerts have been found for Gucy1b1^{tm1.1Frb}/Gucy1b1^{tm1.1Frb}.

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.