

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 19, 2026

[Trp53inp1^{tm1Acar}/Trp53inp1^{tm1Acar}](#)

RRID:MGI:3701944

Type: Organism

Proper Citation

RRID:MGI:3701944

Organism Information

URL:

Proper Citation: RRID:MGI:3701944

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

Species: Mus musculus

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

Phenotype: hepatic steatosis, abnormal crypts of Lieberkuhn morphology, increased susceptibility to weight gain, large intestinal inflammation, abnormal mitochondrion morphology, abnormal mitophagy, abnormal respiratory electron transport chain, neoplasm, increased sensitivity to xenobiotic induced morbidity/mortality, abnormal mitochondrial physiology, increased susceptibility to induced colitis, hyperglycemia, increased liver weight, increased circulating insulin level, increased body weight, abnormal oxidative phosphorylation, increased body fat mass, abnormal renal fat pad morphology, impaired glucose tolerance, oxidative stress, abnormal cell morphology, increased susceptibility to diet-induced non-insulin dependent diabetes, increased mitochondria number, insulin resistance, increased susceptibility to diet-induced obesity, abnormal intestinal mucosa morphology, increased colon adenoma incidence, oxidative stress, increased incidence of tumors by chemical induction, abnormal epididymal fat pad morphology

Affected Gene: Trp53inp1

Genomic Alteration: tm1Acar

Catalog Number: 3701944

Background: involves: 129/Sv * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:25828351](#), [PMID:17242209](#)

Organism Name: Trp53inp1^{tm1Acar}/Trp53inp1^{tm1Acar}

Record Creation Time: 20240120T190528+0000

Record Last Update: 20240130T202037+0000

Ratings and Alerts

No rating or validation information has been found for Trp53inp1^{tm1Acar}/Trp53inp1^{tm1Acar}.

No alerts have been found for Trp53inp1^{tm1Acar}/Trp53inp1^{tm1Acar}.

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.