

Resource Summary Report

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B6.129S4-Atp8b1^{tm1Nbf}/Mmucd

RRID:MMRRC_036310-UCD

Type: Organism

Proper Citation

RRID:MMRRC_036310-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36310

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Description: Mus musculus with name B6.129S4-Atp8b1^{tm1Nbf}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Internal/Organ, Metabolism, Models for Human Disease, Sensorineural; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal cochlea morphology [MP:0000031]| organ of Corti degeneration [MP:0000043]| enlarged liver [MP:0000599]| abnormal liver physiology [MP:0000609]| cholestasis [MP:0000610]| weight loss [MP:0001263]| postnatal growth retardation [MP:0001732]| abnormal cochlear ganglion morphology [MP:0002855]| increased circulating alanine transaminase level [MP:0002941]| increased circulating alkaline phosphatase level [MP:0002968]| increased liver weight [MP:0002981]| bile duct proliferation [MP:0003255]| cochlear inner hair cell degeneration [MP:0004398]| cochlear outer hair cell degeneration [MP:0004404]| degeneration of organ of Corti supporting cells [MP:0004465]| abnormal outer hair cell stereociliary bundle morphology [MP:0004527]| abnormal bile secretion [MP:0004772]| abnormal bile salt level [MP:0004774]| increased bile salt level [MP:0004789]| increased circulating aspartate transaminase level [MP:0005343]| increased circulating bilirubin level [MP:0005344]| abnormal bile salt homeostasis [MP:0005365]| increased sensitivity to induced morbidity/mortality [MP:0009763]| increased susceptibility to weight loss [MP:0010180]| increased or absent threshold for auditory brainstem response [MP:0011967]

Affected Gene: Atp8b1

Catalog Number: 036310-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:20126555](#), [PMID:18466903](#)

Alternate IDs: MMRRC_36310-UCD, MMRRC_036310, MMRRC_3631

Organism Name: B6.129S4-*Atp8b1*^{tm1Nbf}/Mmucd

Record Creation Time: 20230308T055145+0000

Record Last Update: 20260815T124810+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-*Atp8b1*^{tm1Nbf}/Mmucd.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human intrahepatic cholestasis.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.