

Resource Summary Report

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129S/Sv-Atp8b1^{tm1Nbf}/Mmucd

RRID:MMRRC_036309-UCD

Type: Organism

Proper Citation

RRID:MMRRC_036309-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36309

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Description: Mus musculus with name 129S/Sv-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: 036309-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

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

Alternate IDs: MMRRC_36309-UCD, MMRRC_036309, MMRRC_3639

Organism Name: 129S/Sv-*Atp8b1*^{tm1Nbf}/Mmucd

Record Creation Time: 20230308T055145+0000

Record Last Update: 20260808T124108+0000

Ratings and Alerts

No rating or validation information has been found for 129S/Sv-*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.