

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

B6.129X1-Lcat^{tm1Nsa}/Mmmh

RRID:MMRRC_011840-MU

Type: Organism

Proper Citation

RRID:MMRRC_011840-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11840

Proper Citation: RRID:MMRRC_011840-MU

Description: Mus musculus with name B6.129X1-Lcat^{tm1Nsa}/Mmmh from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Metabolism, Models for Human Disease;
Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased circulating HDL cholesterol level [MP:0000186]| abnormal lipid level [MP:0001547]| increased circulating triglyceride level [MP:0001552]| hemolytic anemia [MP:0001585]| reticulocytosis [MP:0002640]| increased urine protein level [MP:0002962]| abnormal erythrocyte osmotic lysis [MP:0003657]| decreased circulating VLDL cholesterol level [MP:0005146]| decreased circulating cholesterol level [MP:0005179]| glomerulosclerosis [MP:0005264]| abnormal cholesterol homeostasis [MP:0005278]| abnormal renal glomerulus morphology [MP:0005325]| abnormal circulating phospholipid level [MP:0006084]| abnormal kidney afferent arteriole morphology [MP:0011312]| expanded mesangial matrix [MP:0011353]| mesangial cell hyperplasia [MP:0011427]

Affected Gene: Lcat

Catalog Number: 011840-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:9054454](#), [PMID:11278414](#)

Alternate IDs: MMRRC_11840-MU, MMRRC_011840, MMRRC_1184

Organism Name: B6.129X1-*Lcat*^{tm1Nsa}/Mmmh

Record Creation Time: 20230308T054913+0000

Record Last Update: 20260801T123555+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-*Lcat*^{tm1Nsa}/Mmmh.

No alerts have been found for B6.129X1-*Lcat*^{tm1Nsa}/Mmmh.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Vaisman BL, et al. (2019) LCAT Enzyme Replacement Therapy Reduces LpX and Improves Kidney Function in a Mouse Model of Familial LCAT Deficiency. The Journal of pharmacology and experimental therapeutics, 368(3), 423.

Neufeld EB, et al. (2019) ApoA-I-Mediated Lipoprotein Remodeling Monitored with a Fluorescent Phospholipid. Biology, 8(3).