

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

[B6.129S7-Ldlr^{tm1Her/J}](#)

RRID:IMSR_JAX:002207

Type: Organism

Proper Citation

RRID:IMSR_JAX:002207

Organism Information

URL: <https://www.jax.org/strain/002207>

Proper Citation: RRID:IMSR_JAX:002207

Description: Mus musculus with name B6.129S7-Ldlr^{tm1Her/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: low density lipoprotein receptor; mutant strain|congenic strain: Ldlr

Affected Gene: low density lipoprotein receptor

Genomic Alteration: targeted mutation 1; Joachim Herz

Catalog Number: JAX:002207

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S7-Ldlr^{tm1Her/J}

Record Creation Time: 20250513T053630+0000

Record Last Update: 20260725T044337+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S7-Ldlr^{tm1Her/J}.

No alerts have been found for B6.129S7-Ldlr^{tm1Her/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 285 mentions in open access literature.

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

Muñoz-Hernando M, et al. (2025) Nanoparticle to Nanoparticle Bioorthogonal Detection of Atherosclerosis. ACS applied materials & interfaces, 17(41), 56675.

Vieira RF, et al. (2025) Hyperlipidemia drives tumor growth in a mouse model of obesity-accelerated breast cancer growth. Cancer & metabolism, 13(1), 39.

Mastrangelo A, et al. (2025) Imidazole propionate is a driver and therapeutic target in atherosclerosis. Nature, 645(8079), 254.

Härdtnér C, et al. (2025) NLRP3 mediates lipid-driven macrophage proliferation in established atherosclerosis. Basic research in cardiology, 120(6), 1141.

Bhatia P, et al. (2025) PFAS Exposure Induces Hearing Loss by Targeting Cochlear Hair Cells, Ribbon Synapses, and Spiral Ganglions. Research square.

Clark C, et al. (2025) One Shock, Not One Cure: Electroporation Reveals Disease-Specific Constraints in Hepatocyte Gene Editing Therapy. Biology, 14(8).

Laskou M, et al. (2025) Platelets impair the resolution of inflammation in atherosclerotic plaques in insulin-resistant mice after lipid lowering. JCI insight, 10(21).

Lee Y, et al. (2025) Effects of vitamin D supplementation on T cell activation and regulatory T cell development in Ldlr ^{-/-} mice. Nutrition research and practice, 19(5), 698.

Delwarde C, et al. (2025) Nanoparticle-enabled plasma proteomics of a mouse atherosclerosis model. bioRxiv : the preprint server for biology.

Amorós-Pérez M, et al. (2025) Lamin A/C Expression in Hematopoietic Cells Declines During Human Aging and Constrains Atherosclerosis in Mice. Arteriosclerosis, thrombosis, and vascular biology, 45(9), 1616.

Glogowska E, et al. (2025) Potentiation of macrophage Piezo1 by atherogenic 7-ketocholesterol. Cell reports, 44(4), 115542.

Liu D, et al. (2025) APOE protects against severe infection with Mycobacterium tuberculosis by restraining production of neutrophil extracellular traps. PLoS pathogens, 21(6), e1013267.

Lien CF, et al. (2025) Chalcone derivative 1m mitigates hepatic fibrosis and inflammation, enhances cholesterol efflux and reduces atherosclerosis. *International immunopharmacology*, 162, 115189.

Gregersen I, et al. (2024) T cells with increased responsiveness cause obesity in mice without diet intervention. *iScience*, 27(4), 109471.

Liu D, et al. (2024) APOE Protects Against Severe Infection with *Mycobacterium tuberculosis* by Restraining Production of Neutrophil Extracellular Traps. *bioRxiv : the preprint server for biology*.

Fima R, et al. (2024) Loss of embryonically-derived Kupffer cells during hypercholesterolemia accelerates atherosclerosis development. *Nature communications*, 15(1), 8341.

Schmid A, et al. (2024) Decreased circulating CTRP3 levels in acute and chronic cardiovascular patients. *Journal of molecular medicine (Berlin, Germany)*, 102(5), 667.

Votava JA, et al. (2024) Mining cholesterol genes from thousands of mouse livers identifies aldolase C as a regulator of cholesterol biosynthesis. *Journal of lipid research*, 65(3), 100525.

Gallerand A, et al. (2024) Glucose metabolism controls monocyte homeostasis and migration but has no impact on atherosclerosis development in mice. *Nature communications*, 15(1), 9027.

Kim J, et al. (2024) Gut ribotoxic stress responses facilitate dyslipidemia via metabolic reprogramming: an environmental health prediction. *Theranostics*, 14(3), 1289.