

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](#) .

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

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

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

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

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).

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.

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).

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

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.

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.

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.

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

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.