

Resource Summary Report

Generated by [kravitz2](#) on Aug 22, 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: 20260815T050539+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 293 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Shenker-Horváth K, et al. (2026) Vascular Contractile and Structural Properties in Diet-Induced Atherosclerosis-Prone CB1-LDL Receptor Double Knockout Animal Model. *Biomedicines*, 14(2).

Cabodevilla AG, et al. (2026) The N-terminus of apolipoprotein B mediates the interaction of atherogenic lipoproteins with endothelial cells. *The Journal of clinical investigation*, 136(12).

Hardaway BD, et al. (2026) Aggressive cholesterol lowering normalizes atherosclerosis regression in Jak2V617F mice. *Journal of lipid research*, 67(3), 101003.

Tavallaie M, et al. (2026) Interleukin-18 Inhibition Aggravates Atherosclerosis in Jak2V617F Clonal Hematopoiesis. *JACC. Basic to translational science*, 11(3), 101463.

Kirtay M, et al. (2026) CD47 Blockade Reprograms the Monocyte-Macrophage Axis to Promote Inflammation Resolution in Atherosclerosis. *bioRxiv : the preprint server for biology*.

Manzini S, et al. (2026) Integrated high-throughput miRNomics and lipidomics in mice with altered lipoprotein metabolism. *Atherosclerosis*, 413, 120622.

Xiang C, et al. (2026) Immunoregulatory gene GIMAP6 suppresses lethal atherosclerotic vasculopathy and ischemic heart failure. *bioRxiv : the preprint server for biology*.

Stahr N, et al. (2026) STAT4-dependent regulation of neuroinflammation in atherosclerosis. *Physiological reports*, 14(7), e70856.

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.

Härdtner 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.

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.

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).

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

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.

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

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.