

Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

B6;129S7-Vldlr^{tm1Her}/J

RRID:IMSR_JAX:002529

Type: Organism

Proper Citation

RRID:IMSR_JAX:002529

Organism Information

URL: <https://www.jax.org/strain/002529>

Proper Citation: RRID:IMSR_JAX:002529

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

Species: Mus musculus

Notes: gene symbol note: very low density lipoprotein receptor; mutant stock: Vldlr

Affected Gene: very low density lipoprotein receptor

Genomic Alteration: targeted mutation 1; Joachim Herz

Catalog Number: JAX:002529

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;129S7-Vldlr^{tm1Her}/J

Record Creation Time: 20250513T053633+0000

Record Last Update: 20260808T050834+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Zhang Q, et al. (2023) Retinal microvascular and neuronal pathologies probed in vivo by adaptive optical two-photon fluorescence microscopy. eLife, 12.

Merkle CW, et al. (2021) High-resolution, depth-resolved vascular leakage measurements using contrast-enhanced, correlation-gated optical coherence tomography in mice. Biomedical optics express, 12(4), 1774.

Bucher F, et al. (2020) CNTF Prevents Development of Outer Retinal Neovascularization Through Upregulation of CxCl10. Investigative ophthalmology & visual science, 61(10), 20.

Ogino H, et al. (2020) The Secreted Glycoprotein Reelin Suppresses the Proliferation and Regulates the Distribution of Oligodendrocyte Progenitor Cells in the Embryonic Neocortex. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(40), 7625.

Chen Q, et al. (2016) Functional Differences of Very-Low-Density Lipoprotein Receptor Splice Variants in Regulating Wnt Signaling. Molecular and cellular biology, 36(20), 2645.

Johnson V, et al. (2015) Neurite Mistargeting and Inverse Order of Intraretinal Vascular Plexus Formation Precede Subretinal Vascularization in Vldlr Mutant Mice. PloS one, 10(7), e0132013.

Hirota Y, et al. (2015) Reelin receptors ApoER2 and VLDLR are expressed in distinct spatiotemporal patterns in developing mouse cerebral cortex. The Journal of comparative neurology, 523(3), 463.