

Resource Summary Report

Generated by [RRID](#) on Jul 29, 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: 20260725T044340+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 [RRID](#) .

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.