

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

STOCK Lrp1^{tm2.1Her}/J

RRID:IMSR_JAX:012604

Type: Organism

Proper Citation

RRID:IMSR_JAX:012604

Organism Information

URL: <https://www.jax.org/strain/012604>

Proper Citation: RRID:IMSR_JAX:012604

Description: Mus musculus with name STOCK Lrp1^{tm2.1Her}/J from IMSR.

Species: Mus musculus

Synonyms: B6;129S7-Lrp1/J

Notes: gene symbol note: low density lipoprotein receptor-related protein 1; mutant stock: Lrp1

Affected Gene: low density lipoprotein receptor-related protein 1

Genomic Alteration: targeted mutation 2.1; Joachim Herz

Catalog Number: JAX:012604

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Lrp1^{tm2.1Her}/J

Record Creation Time: 20250513T053721+0000

Record Last Update: 20260815T050631+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Lrp1^{tm2.1Her}/J.

No alerts have been found for STOCK Lrp1^{tm2.1Her/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Hwang SM, et al. (2025) The LRP1-SHP2 pathway regulates TRPV1 sensitivity in the peripheral nervous system: Insights from amyloid beta 1-42 modulation. Journal of advanced research.

Tang Z, et al. (2021) Inflammatory macrophages exploit unconventional pro-phagocytic integrins for phagocytosis and anti-tumor immunity. Cell reports, 37(11), 110111.

Benitez-Amaro A, et al. (2020) Low-density lipoprotein receptor-related protein 1 deficiency in cardiomyocytes reduces susceptibility to insulin resistance and obesity. Metabolism: clinical and experimental, 106, 154191.

Fernández-Castañeda A, et al. (2020) The active contribution of OPCs to neuroinflammation is mediated by LRP1. Acta neuropathologica, 139(2), 365.

Auderset L, et al. (2020) Low-Density Lipoprotein Receptor-Related Protein 1 (LRP1) Is a Negative Regulator of Oligodendrocyte Progenitor Cell Differentiation in the Adult Mouse Brain. Frontiers in cell and developmental biology, 8, 564351.

Romeo R, et al. (2020) Deletion of LRP1 From Astrocytes Modifies Neuronal Network Activity in an in vitro Model of the Tripartite Synapse. Frontiers in cellular neuroscience, 14, 567253.

Schäfer I, et al. (2019) Conditional Deletion of LRP1 Leads to Progressive Loss of Recombined NG2-Expressing Oligodendrocyte Precursor Cells in a Novel Mouse Model. Cells, 8(12).

Lin JP, et al. (2017) LRP1 regulates peroxisome biogenesis and cholesterol homeostasis in oligodendrocytes and is required for proper CNS myelin development and repair. eLife, 6.