

Resource Summary Report

Generated by [dkNET](#) on Aug 28, 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 [dkNET](#).

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.