Resource Summary Report

Generated by kravitz2 on Sep 11, 2026

B6.129S2-Alox5^{tm1Fun}/J

RRID:IMSR_JAX:004155
Type: Organism

Proper Citation

RRID:IMSR_JAX:004155

Organism Information

URL: https://www.jax.org/strain/004155

Proper Citation: RRID:IMSR_JAX:004155

Description: Mus musculus with name B6.129S2-Alox5^{tm1Fun}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: arachidonate 5-lipoxygenase; mutant strain|congenic strain: Alox5

Affected Gene: arachidonate 5-lipoxygenase

Genomic Alteration: targeted mutation 1; Colin D Funk

Catalog Number: JAX:004155

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.129S2-Alox5^{tm1Fun}/J

Record Creation Time: 20250513T053643+0000

Record Last Update: 20260905T044424+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-Alox5^{tm1Fun}/J.

No alerts have been found for B6.129S2-Alox5^{tm1Fun}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Jaschke NP, et al. (2025) Gut-to-brain signaling restricts dietary protein intake during recovery from catabolic states. Cell, 188(26), 7481.

Penkert H, et al. (2021) Proteomic and lipidomic profiling of demyelinating lesions identifies fatty acids as modulators in lesion recovery. Cell reports, 37(4), 109898.

Wang F, et al. (2021) A basophil-neuronal axis promotes itch. Cell, 184(2), 422.

Rahabi M, et al. (2020) Divergent Roles for Macrophage C-type Lectin Receptors, Dectin-1 and Mannose Receptors, in the Intestinal Inflammatory Response. Cell reports, 30(13), 4386.

McGinty JW, et al. (2020) Tuft-Cell-Derived Leukotrienes Drive Rapid Anti-helminth Immunity in the Small Intestine but Are Dispensable for Anti-protist Immunity. Immunity, 52(3), 528.

von Moltke J, et al. (2017) Leukotrienes provide an NFAT-dependent signal that synergizes with IL-33 to activate ILC2s. The Journal of experimental medicine, 214(1), 27.