Resource Summary Report

Generated by RRID on Jul 30, 2026

B6.129P2-Lgr5$^{tm1(cre/ERT2)Cle}$/J

RRID:IMSR_JAX:008875
Type: Organism

Proper Citation

RRID:IMSR_JAX:008875

Organism Information

URL: https://www.jax.org/strain/008875

Proper Citation: RRID:IMSR_JAX:008875

Description: Mus musculus with name B6.129P2-Lgr5$^{tm1(cre/ERT2)Cle}$/J from IMSR.

Species: Mus musculus

Synonyms: B6.129P2-Lgr5/J

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 (human) fusion gene||leucine rich repeat containing G protein coupled receptor 5; congenic strain: cre/ERT2||Lgr5

Affected Gene: Cre recombinase and estrogen receptor 1 (human) fusion gene||leucine rich repeat containing G protein coupled receptor 5

Genomic Alteration: targeted mutation 1; Hans Clevers

Catalog Number: JAX:008875

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Lgr5$^{tm1(cre/ERT2)Cle}$/J

Record Creation Time: 20250513T053712+0000

Record Last Update: 20260725T044423+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Lgr5$^{tm1(cre/ERT2)Cle}$/J.

No alerts have been found for B6.129P2-Lgr5$^{tm1(cre/ERT2)Cle}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 189 mentions in open access literature.

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

Muppirala AN, et al. (2026) Tachykinin signaling defines distinct populations of glia in the enteric nervous system. Neuron.

Yang L, et al. (2025) Prmt5 is essential for intestinal stem cell maintenance and homeostasis. Cell regeneration (London, England), 14(1), 5.

Wang S, et al. (2025) Phase-dependent iron depletion differentially regulates the niche of intestinal stem cells in experimental colitis via ERK/STAT3 signaling pathway. Frontiers in immunology, 16, 1537651.

Wang D, et al. (2025) Eicosapentaenoic acid enhances intestinal stem cell-mediated colonic epithelial regeneration by activating the LSD1-WNT signaling pathway. Journal of advanced research, 77, 807.

Andersson S, et al. (2025) Old mitochondria regulate niche renewal via ?-ketoglutarate metabolism in stem cells. Nature metabolism, 7(7), 1344.

Bertulfo K, et al. (2025) Therapeutic targeting of the NOTCH1 and neddylation pathways in T cell acute lymphoblastic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 122(14), e2426742122.

Xiong Z, et al. (2025) scIVNL-seq resolves in vivo single-cell RNA dynamics of immune cells during Salmonella infection. Nature communications, 16(1), 7937.

Ribeiro Castro P, et al. (2025) HIF-1 attenuates high-fiber diet-mediated proliferation and stemness of colonic epithelium. Gut microbes, 17(1), 2543123.

Moraitis I, et al. (2025) Mucosal Macrophages Govern Intestinal Regeneration in Response to Injury. Gastroenterology, 169(1), 119.

Kim DV, et al. (2025) E. coli-activated cellular circuit restrains intestinal inflammatory microbiota-specific T cells and protects against colitis. Cell reports, 44(10), 116332.

Bhattacharya S, et al. (2025) Intestinal secretory differentiation reflects niche-driven phenotypic and epigenetic plasticity of a common signal-responsive terminal cell. Cell stem cell, 32(6), 952.

Tai KY, et al. (2025) Adipocyte lipolysis activates epithelial stem cells for hair regeneration through fatty acid metabolic signaling. Cell metabolism, 37(11), 2202.

Nakajima-Koyama M, et al. (2025) The balance between IFN-? and ERK/MAPK signaling activities ensures lifelong maintenance of intestinal stem cells. Cell reports, 44(3), 115286.

Anbarci DN, et al. (2025) Rediscovering the rete ovarii, a secreting auxiliary structure to the ovary. eLife, 13.

Smith NR, et al. (2025) Dual states of murine Bmi1-expressing intestinal stem cells drive epithelial development utilizing non-canonical Wnt signaling. Developmental cell, 60(16), 2177.

Hirade K, et al. (2025) Inhibiting KRAS with CD47 and immune checkpoint overcomes intrinsic resistance to combined KRAS and immune checkpoint inhibitor therapy. Cell reports. Medicine, 6(9), 102317.

Greicius G, et al. (2025) Telocytes deliver essential Wnts directly to murine intestinal stem cells via synapse-like contacts. Developmental cell.

Dang H, et al. (2025) Maternal gut microbiota influence stem cell function in offspring. Cell stem cell, 32(2), 246.

Göttert S, et al. (2025) The microbial metabolite desaminotyrosine protects against graft-versus-host disease via mTORC1 and STING-dependent intestinal regeneration. Nature communications, 16(1), 9282.

Short SP, et al. (2024) MTGR1 is required to maintain small intestinal stem cell populations. Cell death and differentiation, 31(9), 1170.