

Resource Summary Report

Generated by [RRID](#) on Jul 29, 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 α -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- γ 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.

Götttert 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.