

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

C57BL/6JGpt-Lgr5^{em1Cin(CreERT2)}/Gpt

RRID:IMSR_GPT:T003768

Type: Organism

Proper Citation

RRID:IMSR_GPT:T003768

Organism Information

URL: https://en.gempharmatech.com/product/details100035_3691562.html

Proper Citation: RRID:IMSR_GPT:T003768

Description: Mus musculus with name C57BL/6JGpt-Lgr5^{em1Cin(CreERT2)}/Gpt from IMSR.

Species: Mus musculus

Notes: gene symbol note: leucine rich repeat containing G protein coupled receptor 5; coisogenic strain: Lgr5;CreERT2

Affected Gene: leucine rich repeat containing G protein coupled receptor 5

Catalog Number: GPT:T003768

Database: GemPharmatech

Database Abbreviation: GPT

Availability: embryo

Organism Name: C57BL/6JGpt-Lgr5^{em1Cin(CreERT2)}/Gpt

Record Creation Time: 20250513T053932+0000

Record Last Update: 20260808T051121+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6JGpt-Lgr5^{em1Cin(CreERT2)}/Gpt.

No alerts have been found for C57BL/6JGpt-Lgr5^{em1Cin(CreERT2)}/Gpt.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: GemPharmatech

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Wang N, et al. (2026) Protein arginine methyltransferase 5 orchestrates the homeostasis and reconstitution of intestinal stem cell niche via balancing urea cycling. Cell communication and signaling : CCS, 24(1).

Pei Y, et al. (2025) Mitsugumin 53 drives stem cell differentiation easing intestinal injury and inflammation. Signal transduction and targeted therapy, 10(1), 183.

Zhou H, et al. (2025) Targeting of the m6A eraser ALKBH5 suppresses stemness and chemoresistance of colorectal cancer. Nature communications, 17(1), 803.

Xu P, et al. (2025) A loss-of-function human ADAR variant activates innate immune response and promotes bowel inflammation. Nature communications, 16(1), 8560.

Zhang G, et al. (2025) Vagal pathway activation links chronic stress to decline in intestinal stem cell function. Cell stem cell, 32(5), 778.