

Resource Summary Report

Generated by [kravitz2](#) on Sep 6, 2026

STOCK Prox1^{tm3}(cre/ERT2)Gco/J

RRID:IMSR_JAX:022075

Type: Organism

Proper Citation

RRID:IMSR_JAX:022075

Organism Information

URL: <https://www.jax.org/strain/022075>

Proper Citation: RRID:IMSR_JAX:022075

Description: Mus musculus with name STOCK Prox1^{tm3}(cre/ERT2)Gco/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: prospero homeobox 1|Cre recombinase and estrogen receptor 1 (human) fusion gene; mutant stock: Prox1|cre/ERT2

Affected Gene: prospero homeobox 1|Cre recombinase and estrogen receptor 1 (human) fusion gene

Genomic Alteration: targeted mutation 3; Guillermo Oliver

Catalog Number: JAX:022075

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Prox1^{tm3}(cre/ERT2)Gco/J

Record Creation Time: 20250513T053744+0000

Record Last Update: 20260905T044525+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Prox1^{tm3}(cre/ERT2)Gco/J.

No alerts have been found for STOCK Prox1^{tm3(cre/ERT2)Gco/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Karakousi T, et al. (2026) IFN γ -dependent metabolic reprogramming restrains an immature, pro-metastatic lymphatic state in melanoma. *Cancer cell*, 44(4), 792.

Sanketi BD, et al. (2024) Villus myofibroblasts are developmental and adult progenitors of mammalian gut lymphatic musculature. *Developmental cell*, 59(9), 1159.

Sanketi BD, et al. (2024) Origin and adult renewal of the gut lacteal musculature from villus myofibroblasts. *bioRxiv : the preprint server for biology*.

Kim D, et al. (2023) Abnormal lymphatic S1P signaling aggravates lymphatic dysfunction and tissue inflammation. *medRxiv : the preprint server for health sciences*.

Keeley PW, et al. (2023) Nfia Is Critical for All Amacrine Cell Production: Selective Bipolar Cell Dependencies and Diminished ERG. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(49), 8367.

Goto N, et al. (2022) Lymphatics and fibroblasts support intestinal stem cells in homeostasis and injury. *Cell stem cell*, 29(8), 1246.

Palikuqi B, et al. (2022) Lymphangiocrine signals are required for proper intestinal repair after cytotoxic injury. *Cell stem cell*, 29(8), 1262.

Zhang N, et al. (2021) LYVE1+ macrophages of murine peritoneal mesothelium promote omentum-independent ovarian tumor growth. *The Journal of experimental medicine*, 218(12).

Li J, et al. (2021) Neurotensin is an anti-thermogenic peptide produced by lymphatic endothelial cells. *Cell metabolism*, 33(7), 1449.

Czepielewski RS, et al. (2021) Ileitis-associated tertiary lymphoid organs arise at lymphatic valves and impede mesenteric lymph flow in response to tumor necrosis factor. *Immunity*, 54(12), 2795.

Stone JS, et al. (2018) Characterization of Adult Vestibular Organs in 11 CreER Mouse Lines. *Journal of the Association for Research in Otolaryngology : JARO*, 19(4), 381.