

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

STOCK Tg(Ggt1-cre)M3Egn/J

RRID:IMSR_JAX:012841

Type: Organism

Proper Citation

RRID:IMSR_JAX:012841

Organism Information

URL: <https://www.jax.org/strain/012841>

Proper Citation: RRID:IMSR_JAX:012841

Description: Mus musculus with name STOCK Tg(Ggt1-cre)M3Egn/J from IMSR.

Species: Mus musculus

Synonyms: C.Cg-Tg(Ggt1-cre)M3Egn/J. B6.Cg-Tg(Ggt1-cre)M3Egn/J

Notes: gene symbol note: transgene insertion M3; Eric G Neilson||gamma-glutamyltransferase 1; mutant stock: Tg(Ggt1-cre)M3Egn||Ggt1

Affected Gene: transgene insertion M3; Eric G Neilson||gamma-glutamyltransferase 1

Genomic Alteration: transgene insertion M3; Eric G Neilson

Catalog Number: JAX:012841

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Tg(Ggt1-cre)M3Egn/J

Record Creation Time: 20250513T053722+0000

Record Last Update: 20260829T045031+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Ggt1-cre)M3Egn/J.

No alerts have been found for STOCK Tg(Ggt1-cre)M3Egn/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Feola K, et al. (2026) Renal Ketogenesis Protects Against Ischemic Kidney Injury. Journal of the American Society of Nephrology : JASN, 37(8), 1628.

Feola K, et al. (2026) Dynamic and differential renal cortical cell-specific mitochondrial metabolism in response to fasting. American journal of physiology. Renal physiology, 330(2), F210.

Jiang S, et al. (2025) Multimodal analysis stratifies genetic susceptibility and reveals the pathogenic mechanism of kidney injury in diabetic nephropathy. Cell reports. Medicine, 6(8), 102249.

Kim H, et al. (2025) Loss of p300 in proximal tubular cells reduces renal fibrosis and endothelial-mesenchymal transition. EMBO molecular medicine, 17(7), 1575.

Feola K, et al. (2025) Measuring renal cortical cell-specific mitochondrial metabolism. bioRxiv : the preprint server for biology.

Zhou T, et al. (2022) Renal Corin Is Essential for Normal Blood Pressure and Sodium Homeostasis. International journal of molecular sciences, 23(19).

McCrimmon A, et al. (2022) Intact mitochondrial substrate efflux is essential for prevention of tubular injury in a sex-dependent manner. JCI insight, 7(7).

Jin J, et al. (2022) Loss of Proximal Tubular Sirtuin 6 Aggravates Unilateral Ureteral Obstruction-Induced Tubulointerstitial Inflammation and Fibrosis by Regulation of ??-Catenin Acetylation. Cells, 11(9).