

Resource Summary Report

Generated by T1D on Sep 20, 2026

B6.Cg-Tg(Pgk1-flpo)10Sykr/J

RRID:IMSR_JAX:011065

Type: Organism

Proper Citation

RRID:IMSR_JAX:011065

Organism Information

URL: <https://www.jax.org/strain/011065>

Proper Citation: RRID:IMSR_JAX:011065

Description: Mus musculus with name B6.Cg-Tg(Pgk1-flpo)10Sykr/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Pgk1-FLPo)10Sykr/J. C57BL/6J-Tg(Pgk1-FLPo)10Sykr/J. C57BL/6J-Tg(Pgk1-FLPo)10Syak/J. B6(C3)-Tg(Pgk1-FLPo)10Sykr/J

Notes: gene symbol note: |transgene insertion 10; Shoshana Yakar|phosphoglycerate kinase 1; mutant strain|congenic strain: |Tg(Pgk1-flpo)10Sykr|Pgk1

Affected Gene: |transgene insertion 10; Shoshana Yakar|phosphoglycerate kinase 1

Genomic Alteration: transgene insertion 10; Shoshana Yakar

Catalog Number: JAX:011065

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Pgk1-flpo)10Sykr/J

Record Creation Time: 20250513T053719+0000

Record Last Update: 20260919T054907+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Pgk1-flpo)10Sykr/J.

No alerts have been found for B6.Cg-Tg(Pgk1-flpo)10Sykr/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Zeng TB, et al. (2026) SETDB1 enables development beyond cleavage stages by extinguishing the MERVL-driven two-cell totipotency transcriptional program in the mouse embryo. *eLife*, 15.

Tokavanich N, et al. (2025) Control of alveolar bone development, homeostasis, and socket healing by salt-inducible kinases. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 40(5), 656.

Huber A, et al. (2024) Mutant TP53 switches therapeutic vulnerability during gastric cancer progression within interleukin-6 family cytokines. *Cell reports*, 43(8), 114616.

Salarian M, et al. (2023) Homeostatic, Non-Canonical Role of Macrophage Elastase in Vascular Integrity. *Circulation research*, 132(4), 432.

Banskota S, et al. (2023) Inhibition of NADPH Oxidase (NOX) 2 Mitigates Colitis in Mice with Impaired Macrophage AMPK Function. *Biomedicines*, 11(5).

Beckmann D, et al. (2023) Ca²⁺ Homeostasis by Plasma Membrane Ca²⁺ ATPase (PMCA) 1 Is Essential for the Development of DP Thymocytes. *International journal of molecular sciences*, 24(2).

Radford BN, et al. (2023) Defects in placental syncytiotrophoblast cells are a common cause of developmental heart disease. *Nature communications*, 14(1), 1174.

Aypek H, et al. (2022) Loss of the collagen IV modifier prolyl 3-hydroxylase 2 causes thin basement membrane nephropathy. *The Journal of clinical investigation*, 132(9).

Stanton-Turcotte D, et al. (2022) Mlt11 Regulates Migration and Neurite Outgrowth of Cortical Projection Neurons during Development. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(19), 3931.

Eisele BS, et al. (2022) Bisphosphate nucleotidase 2 (BPNT2), a molecular target of lithium, regulates chondroitin sulfation patterns in the cerebral cortex and hippocampus. *Advances in biological regulation*, 83, 100858.

Wang L, et al. (2022) TOX4, an insulin receptor-independent regulator of hepatic glucose production, is activated in diabetic liver. *Cell metabolism*, 34(1), 158.

Tang CC, et al. (2021) Dual targeting of salt inducible kinases and CSF1R uncouples bone formation and bone resorption. *eLife*, 10.

Pirgova G, et al. (2020) Marginal zone SIGN-R1⁺ macrophages are essential for the maturation of germinal center B cells in the spleen. *Proceedings of the National Academy of Sciences of the United States of America*, 117(22), 12295.

Sin JH, et al. (2019) The epigenetic regulator ATF7ip inhibits IL2 expression, regulating Th17 responses. *The Journal of experimental medicine*, 216(9), 2024.

Ebstein SY, et al. (2019) Mutant TDP-43 Causes Early-Stage Dose-Dependent Motor Neuron Degeneration in a TARDBP Knockin Mouse Model of ALS. *Cell reports*, 26(2), 364.

Acton D, et al. (2019) Spinal Neuropeptide Y1 Receptor-Expressing Neurons Form an Essential Excitatory Pathway for Mechanical Itch. *Cell reports*, 28(3), 625.

Gaya M, et al. (2018) Initiation of Antiviral B Cell Immunity Relies on Innate Signals from Spatially Positioned NKT Cells. *Cell*, 172(3), 517.

De Pace R, et al. (2018) Altered distribution of ATG9A and accumulation of axonal aggregates in neurons from a mouse model of AP-4 deficiency syndrome. *PLoS genetics*, 14(4), e1007363.

Herndler-Brandstetter D, et al. (2018) KLRG1⁺ Effector CD8⁺ T Cells Lose KLRG1, Differentiate into All Memory T Cell Lineages, and Convey Enhanced Protective Immunity. *Immunity*, 48(4), 716.

Navarro G, et al. (2017) Genetic Disruption of Adenosine Kinase in Mouse Pancreatic β -Cells Protects Against High-Fat Diet-Induced Glucose Intolerance. *Diabetes*, 66(7), 1928.