

Resource Summary Report

Generated by [NIF](#) on Aug 20, 2026

B6.Cg-Tg(Tek-cre)12Flv/J

RRID:IMSR_JAX:004128

Type: Organism

Proper Citation

RRID:IMSR_JAX:004128

Organism Information

URL: <https://www.jax.org/strain/004128>

Proper Citation: RRID:IMSR_JAX:004128

Description: Mus musculus with name B6.Cg-Tg(Tek-cre)12Flv/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Tek-Cre)12Flv

Notes: gene symbol note: |transgene insertion 12; Richard A Flavell|TEK receptor tyrosine kinase; mutant strain|congenic strain: |Tg(Tek-cre)12Flv|Tek

Affected Gene: |transgene insertion 12; Richard A Flavell|TEK receptor tyrosine kinase

Genomic Alteration: transgene insertion 12; Richard A Flavell

Catalog Number: JAX:004128

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(Tek-cre)12Flv/J

Record Creation Time: 20250513T053643+0000

Record Last Update: 20260815T050552+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Tek-cre)12Flv/J.

No alerts have been found for B6.Cg-Tg(Tek-cre)12Flv/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Chen D, et al. (2025) Fibroblast bioelectric signaling drives hair growth. *Cell*.

Viengkhou B, et al. (2024) The brain microvasculature is a primary mediator of interferon- γ neurotoxicity in human cerebral interferonopathies. *Immunity*, 57(7), 1696.

Edin ML, et al. (2023) Disruption of Ephx2 in cardiomyocytes but not endothelial cells improves functional recovery after ischemia-reperfusion in isolated mouse hearts. *The Journal of biological chemistry*, 299(4), 103049.

Lin SC, et al. (2023) Endothelial-to-osteoblast transition in normal mouse bone development. *iScience*, 26(2), 105994.

Coppiello G, et al. (2023) Generation of heart and vascular system in rodents by blastocyst complementation. *Developmental cell*, 58(24), 2881.

Yao S, et al. (2023) A whole-brain monosynaptic input connectome to neuron classes in mouse visual cortex. *Nature neuroscience*, 26(2), 350.

Tsitsikov EN, et al. (2023) TRAF7 is an essential regulator of blood vessel integrity during mouse embryonic and neonatal development. *iScience*, 26(8), 107474.

Davis CM, et al. (2022) Role of Endothelial STAT3 in Cerebrovascular Function and Protection from Ischemic Brain Injury. *International journal of molecular sciences*, 23(20).

Xu X, et al. (2022) Imaging and tracing the pattern of adult ovarian angiogenesis implies a strategy against female reproductive aging. *Science advances*, 8(2), eabi8683.

Lin X, et al. (2022) The crosstalk between endothelial cells and vascular smooth muscle cells aggravates high phosphorus-induced arterial calcification. *Cell death & disease*, 13(7), 650.

Hsu KS, et al. (2022) Cancer cell survival depends on collagen uptake into tumor-associated stroma. *Nature communications*, 13(1), 7078.

Xiao G, et al. (2022) IL-17/CXCL5 signaling within the oligovascular niche mediates human and mouse white matter injury. *Cell reports*, 41(12), 111848.

Möller-Hackbarth K, et al. (2021) Retinoic acid receptor responder1 promotes development of glomerular diseases via the Nuclear Factor- κ B signaling pathway. *Kidney international*, 100(4), 809.

Favre J, et al. (2021) Membrane estrogen receptor alpha (ER α) participates in flow-mediated dilation in a ligand-independent manner. *eLife*, 10.

Davis NM, et al. (2021) Metabolomic Analysis of Diverse Mice Reveals Hepatic Arginase-1 as Source of Plasma Arginase in *Plasmodium chabaudi* Infection. *mBio*, 12(5), e0242421.

Fu Y, et al. (2021) OTULIN allies with LUBAC to govern angiogenesis by editing ALK1 linear polyubiquitin. *Molecular cell*, 81(15), 3187.

Forte E, et al. (2020) Dynamic Interstitial Cell Response during Myocardial Infarction Predicts Resilience to Rupture in Genetically Diverse Mice. *Cell reports*, 30(9), 3149.

Lissner MM, et al. (2020) Metabolic profiling during malaria reveals the role of the aryl hydrocarbon receptor in regulating kidney injury. *eLife*, 9.

Refaeli I, et al. (2020) Distinct Functional Requirements for Podocalyxin in Immature and Mature Podocytes Reveal Mechanisms of Human Kidney Disease. *Scientific reports*, 10(1), 9419.

Wu J, et al. (2020) Requisite Chromatin Remodeling for Myeloid and Erythroid Lineage Differentiation from Erythromyeloid Progenitors. *Cell reports*, 33(7), 108395.