Resource Summary Report

Generated by ASWG on Aug 9, 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: 20260808T050844+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 ASWG .

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-? 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-?B signaling pathway. Kidney international, 100(4), 809.

Favre J, et al. (2021) Membrane estrogen receptor alpha (ER?) 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.