## **Resource Summary Report**

Generated by FDI Lab - SciCrunch.org on May 11, 2025

# STOCK Tg(TIE2GFP)287Sato/J

RRID:IMSR\_JAX:003658 Type: Organism

#### **Proper Citation**

RRID:IMSR\_JAX:003658

#### **Organism Information**

URL: https://www.jax.org/strain/003658

Proper Citation: RRID:IMSR\_JAX:003658

Description: Mus musculus with name STOCK Tg(TIE2GFP)287Sato/J from IMSR.

Species: Mus musculus

Synonyms: FVB/N-TgN(TIE2GFP)287Sato. STOCK TgN(TIE2GFP)287Sato/J

**Notes:** gene symbol note: TEK receptor tyrosine kinase||transgene insertion 287; Thomas N Sato; mutant stock: Tek||Tg(TIE2GFP)287Sato

Affected Gene: TEK receptor tyrosine kinase||transgene insertion 287; Thomas N Sato

Genomic Alteration: transgene insertion 287; Thomas N Sato

Catalog Number: JAX:003658

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR\_JAX:3658

Organism Name: STOCK Tg(TIE2GFP)287Sato/J

Record Creation Time: 20230509T193241+0000

#### **Ratings and Alerts**

No rating or validation information has been found for STOCK Tg(TIE2GFP)287Sato/J.

No alerts have been found for STOCK Tg(TIE2GFP)287Sato/J.

### Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

#### **Usage and Citation Metrics**

We found 45 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Zhukov O, et al. (2023) Preserved blood-brain barrier and neurovascular coupling in female 5xFAD model of Alzheimer's disease. Frontiers in aging neuroscience, 15, 1089005.

Zhang H, et al. (2023) Erythrocyte-brain endothelial interactions induce microglial responses and cerebral microhemorrhages in vivo. Journal of neuroinflammation, 20(1), 265.

Lin X, et al. (2022) Longitudinal dynamics of microvascular recovery after acquired cortical injury. Acta neuropathologica communications, 10(1), 59.

Yang L, et al. (2022) Cognitive Impairments and blood-brain Barrier Damage in a Mouse Model of Chronic Cerebral Hypoperfusion. Neurochemical research, 47(12), 3817.

Namiki J, et al. (2022) Chitinase-like protein 3: A novel niche factor for mouse neural stem cells. Stem cell reports, 17(12), 2704.

Milara J, et al. (2022) IL-11 system participates in pulmonary artery remodeling and hypertension in pulmonary fibrosis. Respiratory research, 23(1), 313.

Francis AT, et al. (2022) In vivo simultaneous nonlinear absorption Raman and fluorescence (SNARF) imaging of mouse brain cortical structures. Communications biology, 5(1), 222.

Dzamukova M, et al. (2022) Mechanical forces couple bone matrix mineralization with inhibition of angiogenesis to limit adolescent bone growth. Nature communications, 13(1), 3059.

Luck R, et al. (2021) The angiopoietin-Tie2 pathway regulates Purkinje cell dendritic

morphogenesis in a cell-autonomous manner. Cell reports, 36(7), 109522.

Coelho-Santos V, et al. (2021) Imaging the construction of capillary networks in the neonatal mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 118(26).

Kucharz K, et al. (2021) Post-capillary venules are the key locus for transcytosis-mediated brain delivery of therapeutic nanoparticles. Nature communications, 12(1), 4121.

Liu YB, et al. (2021) Directed evolution of AAV accounting for long-term and enhanced transduction of cardiovascular endothelial cells in vivo. Molecular therapy. Methods & clinical development, 22, 148.

Godavarthy PS, et al. (2020) The vascular bone marrow niche influences outcome in chronic myeloid leukemia via the E-selectin - SCL/TAL1 - CD44 axis. Haematologica, 105(1), 136.

Bar O, et al. (2020) Angiomodulin (IGFBP7) is a cerebral specific angiocrine factor, but is probably not a blood-brain barrier inducer. Fluids and barriers of the CNS, 17(1), 27.

Sabbagh MF, et al. (2020) A genome-wide view of the de-differentiation of central nervous system endothelial cells in culture. eLife, 9.

Rana BMJ, et al. (2019) A stromal cell niche sustains ILC2-mediated type-2 conditioning in adipose tissue. The Journal of experimental medicine, 216(9), 1999.

Jiang R, et al. (2019) SPIO nanoparticle-labeled bone marrow mesenchymal stem cells inhibit pulmonary EndoMT induced by SiO2. Experimental cell research, 383(1), 111492.

Linden JR, et al. (2019) Clostridium perfringens epsilon toxin induces blood brain barrier permeability via caveolae-dependent transcytosis and requires expression of MAL. PLoS pathogens, 15(11), e1008014.

Choi YK, et al. (2019) Mechanistic insights into autocrine and paracrine roles of endothelial GABA signaling in the embryonic forebrain. Scientific reports, 9(1), 16256.

Wang Y, et al. (2019) C-X-C Motif Chemokine Receptor 4 Blockade Promotes Tissue Repair After Myocardial Infarction by Enhancing Regulatory T Cell Mobilization and Immune-Regulatory Function. Circulation, 139(15), 1798.