

Resource Summary Report

Generated by [dkNET](#) on Jul 29, 2026

B6N.FVB-Tg(Pf4-cre/ERT2)3.21lcs/lcs

RRID:MGI:7381137

Type: Organism

Proper Citation

RRID:MGI:7381137

Organism Information

URL: <http://www.informatics.jax.org/strain/MGI:7381137>

Proper Citation: RRID:MGI:7381137

Description: laboratory mouse with name B6N.FVB-Tg(Pf4-cre/ERT2)3.21lcs/lcs from MGI.

Species: laboratory mouse

Notes: Strain Type: congenic

Catalog Number: 7381137

Database: Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Organism Name: B6N.FVB-Tg(Pf4-cre/ERT2)3.21lcs/lcs

Record Creation Time: 20230227T022102+0000

Record Last Update: 20260725T210701+0000

Ratings and Alerts

No rating or validation information has been found for B6N.FVB-Tg(Pf4-cre/ERT2)3.21lcs/lcs.

No alerts have been found for B6N.FVB-Tg(Pf4-cre/ERT2)3.21lcs/lcs.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 59 mentions in open access literature.

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

Zhao Z, et al. (2025) Transmembrane thiol isomerase TMX1 inhibits fibrin formation by down-regulation of platelet phosphatidylserine exposure. Cell communication and signaling : CCS, 23(1), 212.

Camacho V, et al. (2025) Major histocompatibility complex class II-expressing bone marrow megakaryocytes activate CD4+ T cells and induce regulatory T cell fate. bioRxiv : the preprint server for biology.

Chouchane O, et al. (2025) Role of Liver Kinase 1B in Platelet Activation and Host Defense During Klebsiella pneumoniae-Induced Pneumosepsis. International journal of molecular sciences, 26(8).

Liao W, et al. (2024) Megakaryocytic IGF1 coordinates activation and ferroptosis to safeguard hematopoietic stem cell regeneration after radiation injury. Cell communication and signaling : CCS, 22(1), 292.

Gao A, et al. (2023) Interlukin-4 weakens resistance to stress injury and megakaryocytic differentiation of hematopoietic stem cells by inhibiting Psmd13 expression. Scientific reports, 13(1), 14253.

Reusswig F, et al. (2023) The NMDA receptor regulates integrin activation, ATP release and arterial thrombosis through store-operated Ca²⁺ entry in platelets. Frontiers in cardiovascular medicine, 10, 1171831.

Wang J, et al. (2023) Bone marrow-derived IGF-1 orchestrates maintenance and regeneration of the adult skeleton. Proceedings of the National Academy of Sciences of the United States of America, 120(1), e2203779120.

He H, et al. (2023) Activating NO-sGC crosstalk in the mouse vascular niche promotes vascular integrity and mitigates acute lung injury. The Journal of experimental medicine, 220(2).

Du CH, et al. (2023) Apoptosis-resistant megakaryocytes produce large and hyperreactive platelets in response to radiation injury. Military Medical Research, 10(1), 66.

Metz LM, et al. (2023) Platelet pannexin-1 channels modulate neutrophil activation and migration but not the progression of abdominal aortic aneurysm. Frontiers in molecular biosciences, 10, 1111108.

Yu Z, et al. (2022) Endothelial cell-derived angiopoietin-like protein 2 supports hematopoietic stem cell activities in bone marrow niches. Blood, 139(10), 1529.

Metz LM, et al. (2022) Pannexin-1 Activation by Phosphorylation Is Crucial for Platelet Aggregation and Thrombus Formation. *International journal of molecular sciences*, 23(9).

Guo M, et al. (2022) Platelet-derived microRNA-223 attenuates TNF- α induced monocytes adhesion to arterial endothelium by targeting ICAM-1 in Kawasaki disease. *Frontiers in immunology*, 13, 922868.

Kasirer-Friede A, et al. (2022) Platelet SHARPIN regulates platelet adhesion and inflammatory responses through associations with α IIb β 3 and LUBAC. *Blood advances*, 6(8), 2595.

Stegner D, et al. (2022) Foudroyant cerebral venous (sinus) thrombosis triggered through CLEC-2 and GPIIb/IIIa dependent platelet activation. *Nature cardiovascular research*, 1(2), 132.

Zhang Y, et al. (2022) Platelet-Derived PDGFB Promotes Recruitment of Cancer-Associated Fibroblasts, Deposition of Extracellular Matrix and Tgf β Signaling in the Tumor Microenvironment. *Cancers*, 14(8).

Su M, et al. (2022) Gasdermin D-dependent platelet pyroptosis exacerbates NET formation and inflammation in severe sepsis. *Nature cardiovascular research*, 1(8), 732.

Cao Y, et al. (2022) Defective VWF secretion due to expression of MYH9-RD E1841K mutant in endothelial cells disrupts hemostasis. *Blood advances*, 6(15), 4537.

Cheng N, et al. (2021) Targeting G α 13-integrin interaction ameliorates systemic inflammation. *Nature communications*, 12(1), 3185.

O'Neill A, et al. (2021) Thrombopoietin maintains cell numbers of hematopoietic stem and progenitor cells with megakaryopoietic potential. *Haematologica*, 106(7), 1883.