

Resource Summary Report

Generated by [nidm-terms](#) on Aug 11, 2026

B6.129S-Pdgfra^{tm1.1}(cre/ERT2)Blh/J

RRID:IMSR_JAX:032770

Type: Organism

Proper Citation

RRID:IMSR_JAX:032770

Organism Information

URL: <https://www.jax.org/strain/032770>

Proper Citation: RRID:IMSR_JAX:032770

Description: Mus musculus with name B6.129S-Pdgfra^{tm1.1}(cre/ERT2)Blh/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: platelet derived growth factor receptor; alpha polypeptide;
mutant strain|congenic strain: Pdgfra

Affected Gene: platelet derived growth factor receptor; alpha polypeptide

Genomic Alteration: targeted mutation 1.1; Brigid L Hogan

Catalog Number: JAX:032770

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S-Pdgfra^{tm1.1}(cre/ERT2)Blh/J

Record Creation Time: 20250513T053830+0000

Record Last Update: 20260808T051027+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S-Pdgfra^{tm1.1}(cre/ERT2)Blh/J.

No alerts have been found for B6.129S-Pdgfra^{tm1.1}(cre/ERT2)Blh/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Luo YE, et al. (2026) Resident mesenchymal progenitor cells require autocrine IGF-I in homeostatic and regenerating skeletal muscle. Stem cell reports, 21(7), 102973.

Nigri J, et al. (2026) Myofibroblasts Induce Neuroplasticity to Promote Pancreatic Inflammation and Cancer Progression. Cancer discovery, 16(5), 1014.

Kirschstein E, et al. (2026) Myofibroblast programming blocks differentiation of TLS-organizing fibroblastic reticular cells in pancreatic cancer. Cancer cell, 44(5), 1080.

Tai W, et al. (2026) In vivo reprogramming of NG2 glia improves bladder function after spinal cord injury. iScience, 29(3), 114850.

Ebert SN, et al. (2025) Single-Cell Approaches Define the Murine Leptomeninges: Cortical Brain Interface as a Distinct Cellular Neighborhood Composed of Neural and Non-neural Cell Types. eNeuro, 12(8).

Rivera-Gonzalez GC, et al. (2025) Comparative single-cell lineage tracing identifies distinct adipocyte precursor dynamics in skin and inguinal fat. Cell stem cell, 32(8), 1267.

Norris AM, et al. (2025) Intramuscular adipose tissue restricts functional muscle recovery. Cell reports, 44(8), 116021.

Chan H, et al. (2025) Psychological stress increases skin infection through the action of TGF?? to suppress immune-acting fibroblasts. Science immunology, 10(106), eads0519.

Sanketi BD, et al. (2024) Villus myofibroblasts are developmental and adult progenitors of mammalian gut lymphatic musculature. Developmental cell, 59(9), 1159.

Linneberg-Agerholm M, et al. (2024) The primitive endoderm supports lineage plasticity to enable regulative development. Cell, 187(15), 4010.

Guo T, et al. (2024) Vascular architecture regulates mesenchymal stromal cell heterogeneity via P53-PDGF signaling in the mouse incisor. Cell stem cell, 31(6), 904.

Mohr ME, et al. (2024) Cardiomyocyte-fibroblast interaction regulates ferroptosis and fibrosis after myocardial injury. iScience, 27(3), 109219.

Sanketi BD, et al. (2024) Origin and adult renewal of the gut lacteal musculature from villus myofibroblasts. bioRxiv : the preprint server for biology.

Holman CD, et al. (2024) Aging impairs cold-induced beige adipogenesis and adipocyte metabolic reprogramming. *eLife*, 12.

Huycke TR, et al. (2024) Patterning and folding of intestinal villi by active mesenchymal dewetting. *Cell*, 187(12), 3072.

Rendon CJ, et al. (2024) Anatomical location, sex, and age modulate adipocyte progenitor populations in perivascular adipose tissues. *Frontiers in physiology*, 15, 1411218.

Sitnik KM, et al. (2023) Fibroblasts are a site of murine cytomegalovirus lytic replication and Stat1-dependent latent persistence in vivo. *Nature communications*, 14(1), 3087.

Yang JL, et al. (2023) Transient neurogenesis in ischemic cortex from Sox2⁺ astrocytes. *Neural regeneration research*, 18(7), 1521.

Kraiczy J, et al. (2023) Graded BMP signaling within intestinal crypt architecture directs self-organization of the Wnt-secreting stem cell niche. *Cell stem cell*, 30(4), 433.

Kim H, et al. (2023) Oligodendrocyte precursor cells stop sensory axons regenerating into the spinal cord. *Cell reports*, 42(9), 113068.