

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 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: 20260919T055014+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 [Kravitz](#) .

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.