

Resource Summary Report

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C57BL/6-Tg(Csf1r-EGFP-NGFR/FKBP1A/TNFRSF6)2Bck/J

RRID:IMSR_JAX:005070

Type: Organism

Proper Citation

RRID:IMSR_JAX:005070

Organism Information

URL: <https://www.jax.org/strain/005070>

Proper Citation: RRID:IMSR_JAX:005070

Description: Mus musculus with name C57BL/6-Tg(Csf1r-EGFP-NGFR/FKBP1A/TNFRSF6)2Bck/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Tg(Csf1r-GFP. NGFR/FKBP12)2Bck/J. C57BL/6J-Tg(Csf1r-EGFP-NGFR/FKBP1A/TNFRSF6)2Bck/J

Notes: gene symbol note: TNF receptor superfamily member 6b||nerve growth factor receptor|FK506 binding protein 1A|transgene insertion 2; Donald A Cohen|colony stimulating factor 1 receptor; mutant strain: TNFRSF6B||NGFR|FKBP1A|Tg(Csf1r-EGFP-NGFR/FKBP1A/TNFRSF6)2Bck|Csf1r

Affected Gene: TNF receptor superfamily member 6b||nerve growth factor receptor|FK506 binding protein 1A|transgene insertion 2; Donald A Cohen|colony stimulating factor 1 receptor

Genomic Alteration: transgene insertion 2; Donald A Cohen

Catalog Number: JAX:005070

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(Csf1r-EGFP-NGFR/FKBP1A/TNFRSF6)2Bck/J

Record Creation Time: 20250513T053648+0000

Record Last Update: 20260829T044938+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Csf1r-EGFP-NGFR/FKBP1A/TNFRSF6)2Bck/J.

No alerts have been found for C57BL/6-Tg(Csf1r-EGFP-NGFR/FKBP1A/TNFRSF6)2Bck/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Ma X, et al. (2026) A macrophage-induced subpopulation of mesenchymal cells expressing Fcεr1g contributes to wound-induced fibrosis. Nature communications, 17(1).

Nelson CA, et al. (2025) Monocyte-Derived Macrophages Expressing Dopamine D2-Subtype Receptors Drive Alcohol Effects on Mesolimbic Neurons and Microglia. Biomedicines, 13(10).

Hui AJ, et al. (2025) Development of an immunodeficient mouse that allows for conditional ablation of monocytic cells. Frontiers in immunology, 16, 1699385.

Geraghty T, et al. (2024) Acute systemic macrophage depletion in osteoarthritic mice alleviates pain-related behaviors and does not affect joint damage. Arthritis research & therapy, 26(1), 224.

Dourson AJ, et al. (2024) Macrophage memories of early-life injury drive neonatal nociceptive priming. Cell reports, 43(5), 114129.

Wadsworth HA, et al. (2024) Ivermectin increases striatal cholinergic activity to facilitate dopamine terminal function. Cell & bioscience, 14(1), 50.

Geraghty T, et al. (2024) Acute systemic macrophage depletion in osteoarthritic mice alleviates pain-related behaviors and does not affect joint damage. bioRxiv : the preprint server for biology.

Titiz M, et al. (2024) Schwann cell C5aR1 co-opts inflammasome NLRP1 to sustain pain in a mouse model of endometriosis. Nature communications, 15(1), 10142.

Landini L, et al. (2023) Schwann cell insulin-like growth factor receptor type-1 mediates metastatic bone cancer pain in mice. *Brain, behavior, and immunity*, 110, 348.

Borriello L, et al. (2022) Primary tumor associated macrophages activate programs of invasion and dormancy in disseminating tumor cells. *Nature communications*, 13(1), 626.

Queme LF, et al. (2022) Disruption of Hyaluronic Acid in Skeletal Muscle Induces Decreased Voluntary Activity via Chemosensitive Muscle Afferent Sensitization in Male Mice. *eNeuro*, 9(2).

Kim JE, et al. (2022) Gut microbiota promotes stem cell differentiation through macrophage and mesenchymal niches in early postnatal development. *Immunity*, 55(12), 2300.

Tsai TL, et al. (2022) Multiomics reveal the central role of pentose phosphate pathway in resident thymic macrophages to cope with efferocytosis-associated stress. *Cell reports*, 40(2), 111065.

McDonald MM, et al. (2021) Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. *Cell*, 184(5), 1330.

De Logu F, et al. (2021) Peripheral Nerve Resident Macrophages and Schwann Cells Mediate Cancer-Induced Pain. *Cancer research*, 81(12), 3387.

Abaricia JO, et al. (2020) Wnt signaling modulates macrophage polarization and is regulated by biomaterial surface properties. *Biomaterials*, 243, 119920.

Nicolás-Ávila JA, et al. (2020) A Network of Macrophages Supports Mitochondrial Homeostasis in the Heart. *Cell*, 183(1), 94.

Kurup SP, et al. (2019) Monocyte-Derived CD11c⁺ Cells Acquire Plasmodium from Hepatocytes to Prime CD8 T Cell Immunity to Liver-Stage Malaria. *Cell host & microbe*, 25(4), 565.

Shepherd AJ, et al. (2018) Angiotensin II Triggers Peripheral Macrophage-to-Sensory Neuron Redox Crosstalk to Elicit Pain. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(32), 7032.

Moon HG, et al. (2018) Airway Epithelial Cell-Derived Colony Stimulating Factor-1 Promotes Allergen Sensitization. *Immunity*, 49(2), 275.