

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

B6.Cg-Edil3^{Tg(Sox2-cre)}1Amc/J

RRID:IMSR_JAX:008454

Type: Organism

Proper Citation

RRID:IMSR_JAX:008454

Organism Information

URL: <https://www.jax.org/strain/008454>

Proper Citation: RRID:IMSR_JAX:008454

Description: Mus musculus with name B6.Cg-Edil3^{Tg(Sox2-cre)}1Amc/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Sox2-cre)1Amc/J

Notes: gene symbol note: EGF-like repeats and discoidin I-like domains 3|SRY (sex determining region Y)-box 2|; congenic strain: Edil3|Sox2|

Affected Gene: EGF-like repeats and discoidin I-like domains 3|SRY (sex determining region Y)-box 2|

Genomic Alteration: transgene insertion 1; Andrew P McMahon

Catalog Number: JAX:008454

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Edil3^{Tg(Sox2-cre)}1Amc/J

Record Creation Time: 20250513T053709+0000

Record Last Update: 20260905T044453+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Edil3^{Tg(Sox2-cre)}1Amc/J.

No alerts have been found for B6.Cg-Edil3^{Tg(Sox2-cre)}1Amc/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 36 mentions in open access literature.

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

Gatesman TA, et al. (2026) MYCN drives pediatric glioma transformation from neural progenitors and creates distinct therapeutic vulnerabilities. Cell reports, 45(6), 117522.

Iyyanar PPR, et al. (2026) Cse1l is critical for cell survival, craniofacial and cardiac development. Developmental biology, 530, 188.

Coccia E, et al. (2026) ATP13A2 Loss of Function-Driven Polyamine Dysregulation Induces SAM Depletion and Epigenetic Astrocyte Toxicity. bioRxiv : the preprint server for biology.

Chaudhari K, et al. (2026) Temporally segregated functions for Gfi1 in the development and maintenance of direction selectivity in the vertebrate retina. Current biology : CB, 36(15), 3877.

Rominger MC, et al. (2025) Mutant RIT1 cooperates with YAP to drive an EMT-like lung cancer state. Cell reports, 44(10), 116185.

Wang Q, et al. (2025) Shc1 cooperates with Frs2 and Shp2 to recruit Grb2 in FGF-induced lens development. eLife, 13.

Hamamoto K, et al. (2024) Unveiling the physiological impact of ESCRT-dependent autophagosome closure by targeting the VPS37A ubiquitin E2 variant-like domain. Cell reports, 43(12), 115016.

Jones DJ, et al. (2024) Effective knockdown-replace gene therapy in a novel mouse model of DNM1 developmental and epileptic encephalopathy. Molecular therapy : the journal of the American Society of Gene Therapy, 32(10), 3318.

Huber A, et al. (2024) Mutant TP53 switches therapeutic vulnerability during gastric cancer progression within interleukin-6 family cytokines. Cell reports, 43(8), 114616.

Priam P, et al. (2024) Smarcd1 subunit of SWI/SNF chromatin-remodeling complexes collaborates with E2a to promote murine lymphoid specification. Developmental cell, 59(23), 3124.

Gourévitch B, et al. (2023) Synchronization of inspiratory burst onset along the ventral respiratory column in the neonate mouse is mediated by electrotonic coupling. *BMC biology*, 21(1), 83.

Mihajlović AI, et al. (2023) Spindle assembly checkpoint insensitivity allows meiosis-II despite chromosomal defects in aged eggs. *EMBO reports*, 24(11), e57227.

Bajikar SS, et al. (2023) MeCP2 regulates Gdf11, a dosage-sensitive gene critical for neurological function. *eLife*, 12.

Matrongo MJ, et al. (2023) Piezo1 agonist restores meningeal lymphatic vessels, drainage, and brain-CSF perfusion in craniosynostosis and aged mice. *bioRxiv : the preprint server for biology*.

Coppiello G, et al. (2023) Generation of heart and vascular system in rodents by blastocyst complementation. *Developmental cell*, 58(24), 2881.

Matrongo MJ, et al. (2023) Piezo1 agonist restores meningeal lymphatic vessels, drainage, and brain-CSF perfusion in craniosynostosis and aged mice. *The Journal of clinical investigation*, 134(4).

Zhang K, et al. (2022) Wnt5a-Vangl1/2 signaling regulates the position and direction of lung branching through the cytoskeleton and focal adhesions. *PLoS biology*, 20(8), e3001759.

Yang R, et al. (2022) A genetic model for in vivo proximity labelling of the mammalian secretome. *Open biology*, 12(8), 220149.

Galán-Martínez J, et al. (2022) TCFL5 deficiency impairs the pachytene to diplotene transition during spermatogenesis in the mouse. *Scientific reports*, 12(1), 10956.

Guo AH, et al. (2022) Sirtuin 5 levels are limiting in preserving cardiac function and suppressing fibrosis in response to pressure overload. *Scientific reports*, 12(1), 12258.