

Resource Summary Report

Generated by T1D on Sep 20, 2026

STOCK Ascl1^{tm1.1(Cre/ERT2)Jejo/J}

RRID:IMSR_JAX:012882

Type: Organism

Proper Citation

RRID:IMSR_JAX:012882

Organism Information

URL: <https://www.jax.org/strain/012882>

Proper Citation: RRID:IMSR_JAX:012882

Description: Mus musculus with name STOCK Ascl1^{tm1.1(Cre/ERT2)Jejo/J} from IMSR.

Species: Mus musculus

Synonyms: STOCK Ascl1/J

Notes: gene symbol note: achaete-scute family bHLH transcription factor 1|Cre recombinase and estrogen receptor 1 (human) fusion gene; mutant stock: Ascl1|cre/ERT2

Affected Gene: achaete-scute family bHLH transcription factor 1|Cre recombinase and estrogen receptor 1 (human) fusion gene

Genomic Alteration: targeted mutation 1.1; Jane Johnson

Catalog Number: JAX:012882

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Ascl1^{tm1.1(Cre/ERT2)Jejo/J}

Record Creation Time: 20250513T053723+0000

Record Last Update: 20260919T054910+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Ascl1^{tm1.1(Cre/ERT2)Jejo/J}.

No alerts have been found for STOCK Ascl1^{tm1.1(Cre/ERT2)Jejo/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

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

Hung YC, et al. (2026) Hilar mossy cell oxytocin receptor signaling regulates adult hippocampal neurogenesis and context discrimination in mice. *Journal of biomedical science*, 33(1), 17.

Zhang Y, et al. (2026) Stem cell control in the lung by an autocrine injury-activated Igf complex. *Science (New York, N.Y.)*, 392(6795), eadt1310.

Castillon CCM, et al. (2026) Subregional activity in the dentate gyrus is amplified during elevated cognitive demands. *eLife*, 15.

Wang X, et al. (2026) Astrocytic glucose metabolism regulates the survival of newborn hippocampal neurons in the adult brain. *Neuron*.

Foote AG, et al. (2025) Cellular heterogeneity and patterning strategies as revealed by upper respiratory epithelium single cell atlas. *iScience*, 28(7), 112845.

Duffié R, et al. (2025) Mex3a-dependent post-transcriptional silencing ensures olfactory receptor diversity and axon guidance specificity. *Cell reports*, 44(8), 115979.

Kang S, et al. (2025) Dicer is essential for proper maturation, composition, and function in the postnatal retina. *iScience*, 28(11), 113794.

Frechou MA, et al. (2024) Adult neurogenesis improves spatial information encoding in the mouse hippocampus. *Nature communications*, 15(1), 6410.

Schappe MS, et al. (2024) A vagal reflex evoked by airway closure. *Nature*, 627(8005), 830.

Luo YJ, et al. (2024) Sex-specific expression of distinct serotonin receptors mediates stress vulnerability of adult hippocampal neural stem cells in mice. *Cell reports*, 43(5), 114140.

Parylak SL, et al. (2023) Neuronal activity-related transcription is blunted in immature compared to mature dentate granule cells. *Hippocampus*, 33(4), 412.

Katreddi RR, et al. (2022) Notch signaling determines cell-fate specification of the two main types of vomeronasal neurons of rodents. *Development (Cambridge, England)*, 149(13).

Kastriti ME, et al. (2022) Schwann cell precursors represent a neural crest-like state with biased multipotency. *The EMBO journal*, 41(17), e108780.

Bloem B, et al. (2022) Multiplexed action-outcome representation by striatal striosome-matrix compartments detected with a mouse cost-benefit foraging task. *Nature communications*, 13(1), 1541.

Sumser A, et al. (2022) Fast, high-throughput production of improved rabies viral vectors for specific, efficient and versatile transsynaptic retrograde labeling. *eLife*, 11.

Xu J, et al. (2022) Excess neuropeptides in lung signal through endothelial cells to impair gas exchange. *Developmental cell*, 57(7), 839.

Turrero García M, et al. (2021) Transcriptional profiling of sequentially generated septal neuron fates. *eLife*, 10.

Zhang YH, et al. (2021) Cascade diversification directs generation of neuronal diversity in the hypothalamus. *Cell stem cell*, 28(8), 1483.

Bautista JL, et al. (2021) Single-cell transcriptional profiling of human thymic stroma uncovers novel cellular heterogeneity in the thymic medulla. *Nature communications*, 12(1), 1096.