Resource Summary Report

Generated by ASWG on Aug 23, 2026

STOCK Tg(Slc17a8-icre)1Edw/SealJ

RRID:IMSR_JAX:018147
Type: Organism

Proper Citation

RRID:IMSR_JAX:018147

Organism Information

URL: https://www.jax.org/strain/018147

Proper Citation: RRID:IMSR_JAX:018147

Description: Mus musculus with name STOCK Tg(Slc17a8-icre)1Edw/SealJ from IMSR.

Species: Mus musculus

Synonyms: STOCK Tg(Slc17a8-icre)1Edw/J

Notes: gene symbol note: solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter); member 8|transgene insertion 1; Robert H Edwards|; mutant stock: Slc17a8|Tg(Slc17a8-icre)1Edw|

Affected Gene: solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter); member 8|transgene insertion 1; Robert H Edwards|

Genomic Alteration: transgene insertion 1; Robert H Edwards

Catalog Number: JAX:018147

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Tg(Slc17a8-icre)1Edw/SealJ

Record Creation Time: 20250513T053736+0000

Record Last Update: 20260815T050648+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Slc17a8-icre)1Edw/SealJ.

No alerts have been found for STOCK Tg(Slc17a8-icre)1Edw/SealJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Fatima M, et al. (2026) A specialized population of hair afferents dedicated to transmitting mechanical itch. Neuron.

Noh MC, et al. (2025) A molecular and spinal circuit basis for the functional segregation of itch and pain. bioRxiv : the preprint server for biology.

Carbonell-Roig J, et al. (2024) Dysregulated acetylcholine-mediated dopamine neurotransmission in the eIF4E Tg mouse model of autism spectrum disorders. Cell reports, 43(12), 114997.

Chang Y, et al. (2024) Vglut2-based glutamatergic signaling in central noradrenergic neurons is dispensable for normal breathing and chemosensory reflexes. bioRxiv : the preprint server for biology.

Carbonell-Roig J, et al. (2024) Dysregulated acetylcholine-mediated dopamine neurotransmission in the eIF4E Tg mouse model of autism spectrum disorders. bioRxiv : the preprint server for biology.

Pomaville MB, et al. (2023) Follicle-innervating A??-low threshold mechanoreceptive neurons form receptive fields through homotypic competition. Neural development, 18(1), 2.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. Cell reports, 42(2), 112118.

Wang J, et al. (2023) Taok1 haploinsufficiency leads to autistic-like behaviors in mice via the dorsal raphe nucleus. Cell reports, 42(9), 113078.

Yao Z, et al. (2021) A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. Cell, 184(12), 3222.

Lee BR, et al. (2021) Scaled, high fidelity electrophysiological, morphological, and transcriptomic cell characterization. eLife, 10.

Peirs C, et al. (2021) Mechanical Allodynia Circuitry in the Dorsal Horn Is Defined by the Nature of the Injury. Neuron, 109(1), 73.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 106(1), 37.

Pelkey KA, et al. (2020) Paradoxical network excitation by glutamate release from VGluT3+ GABAergic interneurons. eLife, 9.

Wang Q, et al. (2020) The Allen Mouse Brain Common Coordinate Framework: A 3D Reference Atlas. Cell, 181(4), 936.

Gouwens NW, et al. (2020) Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. Cell, 183(4), 935.

Jia Y, et al. (2020) A retinal circuit for the suppressed-by-contrast receptive field of a polyaxonal amacrine cell. Proceedings of the National Academy of Sciences of the United States of America, 117(17), 9577.

Zimmerman AL, et al. (2019) Distinct Modes of Presynaptic Inhibition of Cutaneous Afferents and Their Functions in Behavior. Neuron, 102(2), 420.

de Jong JW, et al. (2019) A Neural Circuit Mechanism for Encoding Aversive Stimuli in the Mesolimbic Dopamine System. Neuron, 101(1), 133.

Griffith TN, et al. (2019) Tetrodotoxin-Sensitive Sodium Channels Mediate Action Potential Firing and Excitability in Menthol-Sensitive Vglut3-Lineage Sensory Neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(36), 7086.

Lee S, et al. (2016) Segregated Glycine-Glutamate Co-transmission from vGluT3 Amacrine Cells to Contrast-Suppressed and Contrast-Enhanced Retinal Circuits. Neuron, 90(1), 27.