Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 14, 2025

STOCK Tg(Stra8-icre)1Reb/J

RRID:IMSR_JAX:008208
Type: Organism

Proper Citation

RRID:IMSR_JAX:008208

Organism Information

URL: https://www.jax.org/strain/008208

Proper Citation: RRID:IMSR_JAX:008208

Description: Mus musculus with name STOCK Tg(Stra8-icre)1Reb/J from IMSR.

Species: Mus musculus

Synonyms: STOCK Tg(Stra8-cre)1Reb/J

Notes: gene symbol note: stimulated by retinoic acid gene 8|transgene insertion 1; Robert E Braun|; mutant stock: Stra8|Tg(Stra8-icre)1Reb|

Affected Gene: stimulated by retinoic acid gene 8|transgene insertion 1; Robert E Braun|

Genomic Alteration: transgene insertion 1; Robert E Braun

Catalog Number: JAX:008208

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Alternate IDs: IMSR_JAX:8208

Organism Name: STOCK Tg(Stra8-icre)1Reb/J

Record Creation Time: 20230509T193256+0000

Record Last Update: 20250412T090444+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Stra8-icre)1Reb/J.

No alerts have been found for STOCK Tg(Stra8-icre)1Reb/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Trigg NA, et al. (2024) Epididymal acquired sperm microRNAs modify post-fertilization embryonic gene expression. Cell reports, 43(9), 114698.

Kaye EG, et al. (2024) RNA polymerase II pausing is essential during spermatogenesis for appropriate gene expression and completion of meiosis. Nature communications, 15(1), 848.

Blanco M, et al. (2023) DOT1L regulates chromatin reorganization and gene expression during sperm differentiation. EMBO reports, 24(6), e56316.

Tian H, et al. (2021) EWSR1 affects PRDM9-dependent histone 3 methylation and provides a link between recombination hotspots and the chromosome axis protein REC8. Molecular biology of the cell, 32(1), 1.

Spruce C, et al. (2020) HELLS and PRDM9 form a pioneer complex to open chromatin at meiotic recombination hot spots. Genes & development, 34(5-6), 398.

Zhang S, et al. (2020) Murine germ cell-specific disruption of Ift172 causes defects in spermiogenesis and male fertility. Reproduction (Cambridge, England), 159(4), 409.

Kim CR, et al. (2020) PHF7 Modulates BRDT Stability and Histone-to-Protamine Exchange during Spermiogenesis. Cell reports, 32(4), 107950.

Zagore LL, et al. (2019) Efficient GFP-labeling and analysis of spermatogenic cells using the IRG transgene and flow cytometry. Genesis (New York, N.Y. : 2000), 57(4), e23283.

Tian H, et al. (2018) CXXC1 is not essential for normal DNA double-strand break formation

and meiotic recombination in mouse. PLoS genetics, 14(10), e1007657.

Peer NR, et al. (2018) Germ Cell-Specific Retinoic Acid Receptor ? Functions in Germ Cell Organization, Meiotic Integrity, and Spermatogonia. Endocrinology, 159(9), 3403.

Zagore LL, et al. (2018) DAZL Regulates Germ Cell Survival through a Network of PolyA-Proximal mRNA Interactions. Cell reports, 25(5), 1225.

Huang Z, et al. (2013) NOTCH1 gain of function in germ cells causes failure of spermatogenesis in male mice. PloS one, 8(7), e71213.