Resource Summary Report

Generated by kravitz2 on Sep 17, 2026

B6D2-Tg(Stra8-cre)1Osb

RRID:IMSR_RBRC06480
Type: Organism

Proper Citation

RRID:IMSR_RBRC06480

Organism Information

URL: https://brc.riken.jp/mus/RBRC06480

Proper Citation: RRID:IMSR_RBRC06480

Description: Mus musculus with name B6D2-Tg(Stra8-cre)1Osb from IMSR.

Species: Mus musculus

Notes: gene symbol note: stimulated by retinoic acid gene 8||transgene insertion 1; Research Institute for Microbial Diseases; Osaka University; mutant stock: Stra8||Tg(Stra8-Cre)1Osb

Affected Gene: stimulated by retinoic acid gene 8||transgene insertion 1; Research Institute for Microbial Diseases; Osaka University

Genomic Alteration: stimulated by retinoic acid gene 8||transgene insertion 1; Research Institute for Microbial Diseases; Osaka University

Catalog Number: RBRC06480

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: embryo

Organism Name: B6D2-Tg(Stra8-cre)1Osb

Record Creation Time: 20250513T061511+0000

Record Last Update: 20260912T064331+0000

Ratings and Alerts

No rating or validation information has been found for B6D2-Tg(Stra8-cre)1Osb.

No alerts have been found for B6D2-Tg(Stra8-cre)1Osb.

Data and Source Information

Source: Integrated Animals

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Göppner C, et al. (2021) Cellular basis of ClC-2 Cl- channel-related brain and testis pathologies. The Journal of biological chemistry, 296, 100074.

Liu X, et al. (2021) The N-terminal BRCT domain determines MCPH1 function in brain development and fertility. Cell death & disease, 12(2), 143.

Dong J, et al. (2019) UHRF1 suppresses retrotransposons and cooperates with PRMT5 and PIWI proteins in male germ cells. Nature communications, 10(1), 4705.

Ding D, et al. (2019) Mitochondrial membrane-based initial separation of MIWI and MILI functions during pachytene piRNA biogenesis. Nucleic acids research, 47(5), 2594.

Brauns AK, et al. (2019) A defect in the peroxisomal biogenesis in germ cells induces a spermatogenic arrest at the round spermatid stage in mice. Scientific reports, 9(1), 9553.

Varuzhanyan G, et al. (2019) Mitochondrial fusion is required for spermatogonial differentiation and meiosis. eLife, 8.

Bao J, et al. (2018) The arginine methyltransferase CARM1 represses p300•ACT•CREM? activity and is required for spermiogenesis. Nucleic acids research, 46(9), 4327.

Hwang G, et al. (2018) Depletion of SMC5/6 sensitizes male germ cells to DNA damage. Molecular biology of the cell, 29(25), 3003.

Wang L, et al. (2018) Dual roles of TRF1 in tethering telomeres to the nuclear envelope and protecting them from fusion during meiosis. Cell death and differentiation, 25(6), 1174.

Ding D, et al. (2018) TDRD5 binds piRNA precursors and selectively enhances pachytene piRNA processing in mice. Nature communications, 9(1), 127.

Bose R, et al. (2017) Ubiquitin Ligase Huwe1 Modulates Spermatogenesis by Regulating Spermatogonial Differentiation and Entry into Meiosis. Scientific reports, 7(1), 17759.

Jamin SP, et al. (2017) EXOSC10/Rrp6 is post-translationally regulated in male germ cells and controls the onset of spermatogenesis. Scientific reports, 7(1), 15065.

Sangrithi MN, et al. (2017) Non-Canonical and Sexually Dimorphic X Dosage Compensation States in the Mouse and Human Germline. Developmental cell, 40(3), 289.

Han F, et al. (2017) Globozoospermia and lack of acrosome formation in GM130-deficient mice. Cell death & disease, 8(1), e2532.

Dunleavy JEM, et al. (2017) Katanin-like 2 (KATNAL2) functions in multiple aspects of haploid male germ cell development in the mouse. PLoS genetics, 13(11), e1007078.

Tang JX, et al. (2017) Requirement for CCNB1 in mouse spermatogenesis. Cell death & disease, 8(10), e3142.

Chen SR, et al. (2016) Does murine spermatogenesis require WNT signalling? A lesson from Gpr177 conditional knockout mouse models. Cell death & disease, 7(6), e2281.

Zhou W, et al. (2015) PTEN signaling is required for the maintenance of spermatogonial stem cells in mouse, by regulating the expressions of PLZF and UTF1. Cell & bioscience, 5, 42.

Wang Y, et al. (2015) Prmt5 is required for germ cell survival during spermatogenesis in mice. Scientific reports, 5, 11031.

Schulz A, et al. (2014) Neuronal merlin influences ERBB2 receptor expression on Schwann cells through neuregulin 1 type III signalling. Brain : a journal of neurology, 137(Pt 2), 420.