

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 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: 20260905T052444+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 [dkNET](#) .

Göppner C, et al. (2021) Cellular basis of CIC-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.

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

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.

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

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.

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.

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

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.

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

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.