Resource Summary Report

Generated by PRECISE-TBI on Aug 9, 2026

B6C3(Cg)-Tg(Oct4-EGFP) Tg(Ddx4-RFP.neo)1Tnc/Rbrc

RRID:IMSR_RBRC03451
Type: Organism

Proper Citation

RRID:IMSR_RBRC03451

Organism Information

URL: https://brc.riken.jp/mus/RBRC03451

Proper Citation: RRID:IMSR_RBRC03451

Description: Mus musculus with name B6C3(Cg)-Tg(Oct4-EGFP) Tg(Ddx4-RFP.neo)1Tnc/Rbrc from IMSR.

Species: Mus musculus

Synonyms: STOCK Tg(Oct4-EGFP) Tg(Ddx4-RFP)1Tnc/TncRbrc

Notes: gene symbol note: DEAD box helicase 4|POU domain; class 5; transcription factor 1|transgene insertion 1; Toshiaki Noce||transgene insertion; mutant strain: Ddx4|Pou5f1|Tg(Ddx4-RFP;neo)1Tnc||Tg(Oct4-EGFP)

Affected Gene: DEAD box helicase 4|POU domain; class 5; transcription factor 1|transgene insertion 1; Toshiaki Noce||transgene insertion

Genomic Alteration: DEAD (Asp-Glu-Ala-Asp) box polypeptide 4|POU domain; class 5; transcription factor 1|transgene insertion 1; Toshiaki Noce||transgene insertion

Catalog Number: RBRC03451

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: embryo

Organism Name: B6C3(Cg)-Tg(Oct4-EGFP) Tg(Ddx4-RFP.neo)1Tnc/Rbrc

Record Creation Time: 20250513T061452+0000

Record Last Update: 20260808T054836+0000

Ratings and Alerts

No rating or validation information has been found for B6C3(Cg)-Tg(Oct4-EGFP) Tg(Ddx4-RFP.neo)1Tnc/Rbrc.

No alerts have been found for B6C3(Cg)-Tg(Oct4-EGFP) Tg(Ddx4-RFP.neo)1Tnc/Rbrc.

Data and Source Information

Source: Integrated Animals

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Bustamante-Marin XM, et al. (2023) Oxygen availability influences the incidence of testicular teratoma in Dnd1Ter/+ mice. Frontiers in genetics, 14, 1179256.

Suen HC, et al. (2023) The single-cell chromatin accessibility landscape in mouse perinatal testis development. eLife, 12.

Suen HC, et al. (2022) scATAC-Seq reveals heterogeneity associated with spermatogonial differentiation in cultured male germline stem cells. Scientific reports, 12(1), 21482.

Sekita Y, et al. (2021) AKT signaling is associated with epigenetic reprogramming via the upregulation of TET and its cofactor, alpha-ketoglutarate during iPSC generation. Stem cell research & therapy, 12(1), 510.

Wu H, et al. (2021) Circulating mature dendritic cells homing to the thymus promote thymic epithelial cells involution via the Jagged1/Notch3 axis. Cell death discovery, 7(1), 225.

Shen YC, et al. (2021) TCF21+ mesenchymal cells contribute to testis somatic cell development, homeostasis, and regeneration in mice. Nature communications, 12(1), 3876.

Yang Z, et al. (2020) Chemicals orchestrate reprogramming with hierarchical activation of master transcription factors primed by endogenous Sox17 activation. Communications biology, 3(1), 629.

Mashima H, et al. (2020) Generation of GM-CSF-producing antigen-presenting cells that induce a cytotoxic T cell-mediated antitumor response. Oncoimmunology, 9(1), 1814620.

Lu J, et al. (2019) Spatiotemporal coordination of trophoblast and allantoic Rbpj signaling directs normal placental morphogenesis. Cell death & disease, 10(6), 438.

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.

Xu X, et al. (2015) Dppa3 expression is critical for generation of fully reprogrammed iPS cells and maintenance of Dlk1-Dio3 imprinting. Nature communications, 6, 6008.

Huang Y, et al. (2015) Specific Tandem 3'UTR Patterns and Gene Expression Profiles in Mouse Thy1+ Germline Stem Cells. PloS one, 10(12), e0145417.

Molaro A, et al. (2014) Two waves of de novo methylation during mouse germ cell development. Genes & development, 28(14), 1544.

Yokota M, et al. (2014) Roles of mast cells in the pathogenesis of inflammatory myopathy. Arthritis research & therapy, 16(2), R72.