

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

STOCK Rax^{tm1.1(cre/ERT2)}SbIs/J

RRID:IMSR_JAX:025521

Type: Organism

Proper Citation

RRID:IMSR_JAX:025521

Organism Information

URL: <https://www.jax.org/strain/025521>

Proper Citation: RRID:IMSR_JAX:025521

Description: Mus musculus with name STOCK Rax^{tm1.1(cre/ERT2)}SbIs/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S6(Cg)-Rax/J

Notes: gene symbol note: retina and anterior neural fold homeobox|Cre recombinase and estrogen receptor 1 (human) fusion gene; mutant stock: Rax|cre/ERT2

Affected Gene: retina and anterior neural fold homeobox|Cre recombinase and estrogen receptor 1 (human) fusion gene

Genomic Alteration: targeted mutation 1.1; Seth Blackshaw

Catalog Number: JAX:025521

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Rax^{tm1.1(cre/ERT2)}SbIs/J

Record Creation Time: 20250513T053754+0000

Record Last Update: 20260829T045105+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Rax^{tm1.1(cre/ERT2)SbIs/J}.

No alerts have been found for STOCK Rax^{tm1.1(cre/ERT2)SbIs/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Makrides N, et al. (2026) FGF Signaling Potentiates Müller Glia for Mammalian Retinal Regeneration. bioRxiv : the preprint server for biology.

Chen ZH, et al. (2025) Transcriptional conservation and evolutionary divergence of cell types across mammalian hypothalamus development. Developmental cell, 60(13), 1916.

Zhang J, et al. (2023) Jarid2 promotes temporal progression of retinal progenitors via repression of Foxp1. Cell reports, 42(3), 112237.

Ma T, et al. (2021) Decoding neuronal composition and ontogeny of individual hypothalamic nuclei. Neuron, 109(7), 1150.

Mu W, et al. (2021) Hypothalamic Rax⁺ tanycytes contribute to tissue repair and tumorigenesis upon oncogene activation in mice. Nature communications, 12(1), 2288.

Zhang YH, et al. (2021) Cascade diversification directs generation of neuronal diversity in the hypothalamus. Cell stem cell, 28(8), 1483.

Yoo S, et al. (2019) Tanycyte-Independent Control of Hypothalamic Leptin Signaling. Frontiers in neuroscience, 13, 240.