

Resource Summary Report

Generated by SPARC SAWG on Aug 11, 2026

C57BL/6-Tg(BEST1-cre)1Jdun/J

RRID:IMSR_JAX:017557

Type: Organism

Proper Citation

RRID:IMSR_JAX:017557

Organism Information

URL: <https://www.jax.org/strain/017557>

Proper Citation: RRID:IMSR_JAX:017557

Description: Mus musculus with name C57BL/6-Tg(BEST1-cre)1Jdun/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: bestrophin 1||transgene insertion 1; Joshua L Dunaief; coisogenic strain|mutant strain: BEST1||Tg(BEST1-cre)1Jdun

Affected Gene: bestrophin 1||transgene insertion 1; Joshua L Dunaief

Genomic Alteration: transgene insertion 1; Joshua L Dunaief

Catalog Number: JAX:017557

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(BEST1-cre)1Jdun/J

Record Creation Time: 20250513T053733+0000

Record Last Update: 20260808T050937+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(BEST1-cre)1Jdun/J.

No alerts have been found for C57BL/6-Tg(BEST1-cre)1Jdun/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Ono T, et al. (2025) PNPLA6 regulates retinal homeostasis by choline through phospholipid turnover. Nature communications, 16(1), 2221.

Samra YA, et al. (2023) Warburg Effect as a Novel Mechanism for Homocysteine-Induced Features of Age-Related Macular Degeneration. International journal of molecular sciences, 24(2).

Samra YA, et al. (2021) Implication of N-Methyl-d-Aspartate Receptor in Homocysteine-Induced Age-Related Macular Degeneration. International journal of molecular sciences, 22(17).

Lu Q, et al. (2020) Yap1 is required for maintenance of adult RPE differentiation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 34(5), 6757.

Storti F, et al. (2019) Impaired ABCA1/ABCG1-mediated lipid efflux in the mouse retinal pigment epithelium (RPE) leads to retinal degeneration. eLife, 8.