

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

[C57BL/6J-Pde6b^{rd1-2J}/J](#)

RRID:IMSR_JAX:004766

Type: Organism

Proper Citation

RRID:IMSR_JAX:004766

Organism Information

URL: <https://www.jax.org/strain/004766>

Proper Citation: RRID:IMSR_JAX:004766

Description: Mus musculus with name C57BL/6J-Pde6b^{rd1-2J}/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Pde6b2J>/J. NMF137. C57BL/6J-Pde6b/J. C57BL/6J-Pde6b

Notes: gene symbol note: phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide; coisogenic strain|mutant strain: Pde6b

Affected Gene: phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide

Genomic Alteration: retinal degeneration 1; 2 Jackson

Catalog Number: JAX:004766

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6J-Pde6b^{rd1-2J}/J

Record Creation Time: 20250513T053646+0000

Record Last Update: 20260725T044356+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Pde6b^{rd1-2J}/J.

No alerts have been found for C57BL/6J-Pde6b^{rd1-2J/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 [RRID](#).

Volonté YA, et al. (2021) Retinoid X receptor activation promotes photoreceptor survival and modulates the inflammatory response in a mouse model of retinitis pigmentosa. *Biochimica et biophysica acta. Molecular cell research*, 1868(11), 119098.

Volonté YA, et al. (2019) A Defective Crosstalk Between Neurons and Müller Glial Cells in the rd1 Retina Impairs the Regenerative Potential of Glial Stem Cells. *Frontiers in cellular neuroscience*, 13, 334.

Akiba R, et al. (2019) Quantitative and Qualitative Evaluation of Photoreceptor Synapses in Developing, Degenerating and Regenerating Retinas. *Frontiers in cellular neuroscience*, 13, 16.

Fujii M, et al. (2016) Evaluation of micro Electroretinograms Recorded with Multiple Electrode Array to Assess Focal Retinal Function. *Scientific reports*, 6, 30719.

Yamazaki F, et al. (2014) pY RNA1-s2: a highly retina-enriched small RNA that selectively binds to Matrin 3 (Matr3). *PloS one*, 9(2), e88217.