

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 2026

B6.Cg-Mfrp^{rd6}/J

RRID:IMSR_JAX:003684

Type: Organism

Proper Citation

RRID:IMSR_JAX:003684

Organism Information

URL: <https://www.jax.org/strain/003684>

Proper Citation: RRID:IMSR_JAX:003684

Description: Mus musculus with name B6.Cg-Mfrp^{rd6}/J from IMSR.

Species: Mus musculus

Synonyms: small spot. B6.C3Ga-rd6. B6.C3-Mfrp. B6.C3H- Mfrp

Notes: gene symbol note: membrane frizzled-related protein; mutant strain|congenic strain: Mfrp

Affected Gene: membrane frizzled-related protein

Genomic Alteration: retinal degeneration 6

Catalog Number: JAX:003684

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.Cg-Mfrp^{rd6}/J

Record Creation Time: 20250513T053640+0000

Record Last Update: 20260808T050842+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Mfrp^{rd6}/J.

No alerts have been found for B6.Cg-Mfrp^{rd6}/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 [ASWG](#) .

Geilenkeuser J, et al. (2025) Engineered nucleocytoplasmic vehicles for loading of programmable editors. *Cell*, 188(10), 2637.

Gogna N, et al. (2022) Genetic Interaction between Mfrp and Adipor1 Mutations Affect Retinal Disease Phenotypes. *International journal of molecular sciences*, 23(3).

Kautzmann MI, et al. (2020) Membrane-type frizzled-related protein regulates lipidome and transcription for photoreceptor function. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 34(1), 912.

Sluch VM, et al. (2018) ADIPOR1 is essential for vision and its RPE expression is lost in the Mfrprd6 mouse. *Scientific reports*, 8(1), 14339.

Soundararajan R, et al. (2014) Gene profiling of postnatal Mfrprd6 mutant eyes reveals differential accumulation of Prss56, visual cycle and phototransduction mRNAs. *PloS one*, 9(10), e110299.