

Resource Summary Report

Generated by [dkNET](#) on Sep 6, 2026

[Gjd2^{tm1Paul}/Gjd2^{tm1Paul}](#)

RRID:MGI:3810172

Type: Organism

Proper Citation

RRID:MGI:3810172

Organism Information

URL:

Proper Citation: RRID:MGI:3810172

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: abnormal CNS synaptic transmission, nervous system phenotype

Affected Gene: Gjd2

Genomic Alteration: tm1Paul

Catalog Number: 3810172

Background: involves: 129S4/SvJae * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11516403](#)

Organism Name: Gjd2^{tm1Paul}/Gjd2^{tm1Paul}

Record Creation Time: 20240120T190417+0000

Record Last Update: 20240130T201906+0000

Ratings and Alerts

No rating or validation information has been found for Gjd2^{tm1Paul}/Gjd2^{tm1Paul}.

No alerts have been found for Gjd2^{tm1Paul}/Gjd2^{tm1Paul}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Nath A, et al. (2023) Layers of inhibitory networks shape receptive field properties of All amacrine cells. Cell reports, 42(11), 113390.

Wang Q, et al. (2023) Retinal ganglion cells encode differently in the myopic mouse retina? Experimental eye research, 234, 109616.

Wang Q, et al. (2021) The Effect of Low-Dose Atropine on Alpha Ganglion Cell Signaling in the Mouse Retina. Frontiers in cellular neuroscience, 15, 664491.

Banerjee S, et al. (2020) Increased Connexin36 Phosphorylation in All Amacrine Cell Coupling of the Mouse Myopic Retina. Frontiers in cellular neuroscience, 14, 124.

Graydon CW, et al. (2018) Synaptic Transfer between Rod and Cone Pathways Mediated by All Amacrine Cells in the Mouse Retina. Current biology : CB, 28(17), 2739.

Ivanova E, et al. (2016) Aberrant activity in retinal degeneration impairs central visual processing and relies on Cx36-containing gap junctions. Experimental eye research, 150, 81.