

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

Pax6^{tm1Pgr}/Pax6^{tm2Pgr}; Tg(Pax6-cre/GFP)1Pgr

RRID:MGI:3045795

Type: Organism

Proper Citation

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Organism Information

URL:

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

Species: Mus musculus

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

Phenotype: hyperglycemia, postnatal growth retardation, abnormal optic cup morphology, decreased circulating insulin level, decreased pancreatic alpha cell number, increased circulating ketone body level, decreased pancreatic beta cell number, abnormal optic vesicle formation, absent optic placodes, postnatal lethality, complete penetrance

Affected Gene: Pax6

Genomic Alteration: tm2Pgr, tm1Pgr, Tg(Pax6-cre, GFP)1Pgr

Catalog Number: 3045795

Background: involves: 129S1/Sv * 129X1/SvJ * FVB * NMRI

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15110714](#), [PMID:11069887](#)

Organism Name: Pax6^{tm1Pgr}/Pax6^{tm2Pgr}; Tg(Pax6-cre/GFP)1Pgr

Record Creation Time: 20240120T190656+0000

Ratings and Alerts

No rating or validation information has been found for Pax6^{tm1Pgr}/Pax6^{tm2Pgr}; Tg(Pax6-cre/GFP)1Pgr.

No alerts have been found for Pax6^{tm1Pgr}/Pax6^{tm2Pgr}; Tg(Pax6-cre/GFP)1Pgr.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Wang Q, et al. (2025) Shc1 cooperates with Frs2 and Shp2 to recruit Grb2 in FGF-induced lens development. eLife, 13.

Collins TN, et al. (2018) Crk proteins transduce FGF signaling to promote lens fiber cell elongation. eLife, 7.