

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

[Polg^{tm1Prol}/Polg^{tm1Prol}](#)

RRID:MGI:3584104

Type: Organism

Proper Citation

RRID:MGI:3584104

Organism Information

URL:

Proper Citation: RRID:MGI:3584104

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

Species: Mus musculus

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

Phenotype: weight loss, increased apoptosis, kyphosis, increased susceptibility to age-related hearing loss, osteoporosis, cochlear hair cell degeneration, cochlear ganglion degeneration, increased susceptibility to age-related hearing loss, abnormal mitochondrial physiology, cochlear outer hair cell degeneration, stria vascularis degeneration, testicular atrophy, increased or absent threshold for auditory brainstem response, premature death, premature aging, premature hair loss, decreased skeletal muscle mass, cochlear ganglion degeneration, decreased erythrocyte cell number, abnormal coat/hair pigmentation, abnormal crypts of Lieberkuhn morphology, abnormal thymus involution

Affected Gene: Polg

Genomic Alteration: tm1Prol

Catalog Number: 3584104

Background: involves: 129S7/SvEvBrd * C57BL/6J * ICR

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:16020738](#), [PMID:16870370](#)

Organism Name: Polg^{tm1Prol}/Polg^{tm1Prol}

Record Creation Time: 20240120T190625+0000

Record Last Update: 20240130T202019+0000

Ratings and Alerts

No rating or validation information has been found for Polg^{tm1Prol}/Polg^{tm1Prol}.

No alerts have been found for Polg^{tm1Prol}/Polg^{tm1Prol}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.