

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

[Prkg1^{tm1Hfm}/Prkg1^{tm1Hfm}](#)

RRID:MGI:2668849

Type: Organism

Proper Citation

RRID:MGI:2668849

Organism Information

URL:

Proper Citation: RRID:MGI:2668849

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

Species: Mus musculus

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

Phenotype: reduced male fertility, abnormal vascular smooth muscle physiology, abnormal intestinal peristalsis, increased mean systemic arterial blood pressure, impaired muscle relaxation, pyloric sphincter hypertrophy, pyloric stenosis, stomach fundus hypertrophy, abnormal intestine morphology, abnormal intestinal transit time, abnormal systemic arterial blood pressure, abnormal cardiac muscle relaxation, hypertension, impaired smooth muscle contractility, impaired muscle relaxation, abnormal penile erection

Affected Gene: Prkg1

Genomic Alteration: tm1Hfm

Catalog Number: 2668849

Background: Not Specified

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:10688876](#), [PMID:15483626](#), [PMID:9606187](#)

Organism Name: Prkg1^{tm1Hfm}/Prkg1^{tm1Hfm}

Record Creation Time: 20240120T190732+0000

Record Last Update: 20240130T202058+0000

Ratings and Alerts

No rating or validation information has been found for Prkg1^{tm1Hfm}/Prkg1^{tm1Hfm}.

No alerts have been found for Prkg1^{tm1Hfm}/Prkg1^{tm1Hfm}.

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.