

Resource Summary Report

Generated by [NIF](#) on Aug 15, 2026

[Bbs4^{Gt1Nk}](#)/[Bbs4^{Gt1Nk}](#)

RRID:MGI:3608977

Type: Organism

Proper Citation

RRID:MGI:3608977

Organism Information

URL:

Proper Citation: RRID:MGI:3608977

Description: Allele Detail: Gene trapped This is a legacy resource.

Species: *Mus musculus*

Notes: Allele Detail: Gene trapped This is a legacy resource.

Phenotype: abnormal retina morphology, increased circulating insulin level, abnormal orientation of outer hair cell stereociliary bundles, decreased body weight, optic nerve atrophy, abnormal retinal photoreceptor layer morphology, abnormal retinal vasculature morphology, decreased body size, perinatal lethality, incomplete penetrance, renal glomerulus cysts, hydrometrocolpos, abnormal posterior eye segment morphology, abnormal ocular fundus morphology, kidney cysts, abnormal neural tube morphology, increased thigmotaxis, decreased aggression towards mice, increased immunoglobulin level, increased lactate dehydrogenase level, increased circulating sodium level, increased blood urea nitrogen level, abnormal enzyme/coenzyme level, abnormal circulating mineral level, increased circulating magnesium level, increased circulating bilirubin level, increased susceptibility to age related obesity, increased abdominal adipose tissue amount, abnormal liver morphology, enlarged liver, abnormal photoreceptor inner segment morphology, abnormal photoreceptor outer segment morphology, increased circulating VLDL cholesterol level, increased circulating LDL cholesterol level, increased circulating leptin level, hepatic steatosis, abnormal liver physiology, abnormal blood homeostasis, abnormal circulating hormone level, abnormal circulating lipid level, increased circulating glucose level, abnormal retinal pigment epithelium morphology, increased circulating cholesterol level, increased circulating HDL cholesterol level, abnormal eye electrophysiology, increased anxiety-related response, abnormal cone electrophysiology

Affected Gene: *Bbs4*

Genomic Alteration: Gt1Nk

Catalog Number: 3608977

Background: involves: 129S7/SvEvBrd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:16170314](#), [PMID:16794820](#)

Organism Name: Bbs4^{Gt1Nk}/Bbs4^{Gt1Nk}

Record Creation Time: 20240120T190614+0000

Record Last Update: 20240130T202013+0000

Ratings and Alerts

No rating or validation information has been found for Bbs4^{Gt1Nk}/Bbs4^{Gt1Nk}.

No alerts have been found for Bbs4^{Gt1Nk}/Bbs4^{Gt1Nk}.

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.