

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 3, 2026

[Bmp4^{tm1Blh}/Bmp4⁺](#)

RRID:MGI:3711773

Type: Organism

Proper Citation

RRID:MGI:3711773

Organism Information

URL:

Proper Citation: RRID:MGI:3711773

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

Species: *Mus musculus*

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

Phenotype: anterior subcapsular cataracts, absent Schlemm's canal, absent optic nerve, absent trabecular meshwork, cataract, anterior iris synechia, corneal opacity, decreased cornea thickness, hypoplastic trabecular meshwork, iris hypoplasia, irregularly shaped pupil, ocular hypertension, opacity of vitreous body, persistence of hyaloid vascular system, retinal detachment, thin retinal ganglion layer, anterior cortical cataracts, abnormal anterior eye segment morphology, abnormal canal of Schlemm morphology, abnormal cornea morphology, abnormal eye electrophysiology, abnormal eye morphology, abnormal iridocorneal angle, abnormal line of Schwalbe morphology, abnormal optic nerve morphology, abnormal optic disk morphology, abnormal placement of pupils, abnormal posterior eye segment morphology, abnormal retinal photoreceptor layer morphology, abnormal retinal blood vessel pattern, abnormal vitreous body morphology, thin retinal inner nuclear layer, abnormal retina morphology, impaired hearing, reduced female fertility, decreased vestibular hair cell stereocilia number, abnormal sensory neuron innervation pattern, abnormal organ of Corti morphology, abnormal fertility/fecundity, decreased litter size, abnormal vestibulocollic reflex, circling, increased or absent threshold for auditory brainstem response, short frontal bone, microphthalmia, anophthalmia, abnormal eye size, abnormal seminiferous tubule morphology, abnormal male reproductive system morphology, abnormal prostate gland anterior lobe morphology, kidney atrophy, hydronephrosis, kidney cysts, single kidney, perinatal lethality, incomplete penetrance, polydactyly, short nasal bone

Affected Gene: *Bmp4*

Genomic Alteration: tm1Blh

Catalog Number: 3711773

Background: B6.129S2-Bmp4/J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11722794](#), [PMID:17275231](#), [PMID:9268572](#)

Organism Name: Bmp4^{tm1Blh}/Bmp4⁺

Record Creation Time: 20240120T190521+0000

Record Last Update: 20240130T201942+0000

Ratings and Alerts

No rating or validation information has been found for Bmp4^{tm1Blh}/Bmp4⁺.

No alerts have been found for Bmp4^{tm1Blh}/Bmp4⁺.

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.