

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 5, 2026

[Aifm1^{Hq}/Aifm1^{Hq}](#)

RRID:MGI:2387325

Type: Organism

Proper Citation

RRID:MGI:2387325

Organism Information

URL:

Proper Citation: RRID:MGI:2387325

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

Species: *Mus musculus*

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

Phenotype: abnormal eye electrophysiology, retinal degeneration, abnormal cerebellar granule cell morphology, increased catalase activity, abnormal cell cycle, retinal ganglion cell degeneration, amacrine cell degeneration, abnormal cerebellar granule layer morphology, Purkinje cell degeneration, increased cellular sensitivity to hydrogen peroxide, small cerebellum, abnormal cerebellar cortex morphology, oxidative stress, thin retinal inner plexiform layer, Purkinje cell degeneration, abnormal seizure response to pharmacological agent, alopecia, ataxia, decreased birth weight, increased catalase activity, absent optic nerve, abnormal cerebellar granule layer morphology, abnormal gait, abnormal motor capabilities/coordination/movement, ataxia, tremors, sparse hair, decreased susceptibility to neuronal excitotoxicity, oxidative stress, increased sensitivity to induced morbidity/mortality, abnormal cardiovascular system morphology, abnormal respiratory electron transport chain, decreased body size, decreased body weight, impaired coordination, increased superoxide dismutase level, premature death, abnormal myocardial fiber physiology, cardiac hypertrophy, dilated heart left ventricle, abnormal cardiovascular system physiology, altered response to myocardial infarction, increased myocardial infarction size, increased cardiomyocyte apoptosis, decreased cardiac muscle contractility, thin retinal outer plexiform layer

Affected Gene: *Aifm1*

Genomic Alteration: *Hq*

Catalog Number: 2387325

Background: B6CBACa A/A-Aifm1/J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:12353028](#), [PMID:15703386](#), [PMID:18791645](#), [PMID:15933268](#)

Organism Name: Aifm1^{Hq}/Aifm1^{Hq}

Record Creation Time: 20240120T190747+0000

Record Last Update: 20240130T202135+0000

Ratings and Alerts

No rating or validation information has been found for Aifm1^{Hq}/Aifm1^{Hq}.

No alerts have been found for Aifm1^{Hq}/Aifm1^{Hq}.

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.