

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

[Aifm1^{Hq}](#)

RRID:MGI:2387326

Type: Organism

Proper Citation

RRID:MGI:2387326

Organism Information

URL:

Proper Citation: RRID:MGI:2387326

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

Affected Gene: Aifm1

Genomic Alteration: Hq

Catalog Number: 2387326

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}

Record Creation Time: 20240120T190747+0000

Record Last Update: 20240130T202106+0000

Ratings and Alerts

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

No alerts have been found for 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.