

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

[Tfam^{tm1.1Lrsn}/Tfam^{tm1.1Lrsn}](#)

RRID:MGI:2177633

Type: Organism

Proper Citation

RRID:MGI:2177633

Organism Information

URL:

Proper Citation: RRID:MGI:2177633

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

Species: Mus musculus

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

Phenotype: increased apoptosis, disorganized mitochondrial cristae, absent optic nerve, decreased body size, embryonic lethality during organogenesis, complete penetrance, increased mitochondria size, abnormal mitochondrial ATP synthesis coupled electron transport, abnormal nervous system physiology, abnormal heart development, decreased mitochondrial DNA content, abnormal somite development

Affected Gene: Tfam

Genomic Alteration: tm1.1Lrsn

Catalog Number: 2177633

Background: involves: 129S1/Sv * 129X1/SvJ * FVB/N

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11259653](#), [PMID:9500544](#)

Organism Name: Tfam^{tm1.1Lrsn}/Tfam^{tm1.1Lrsn}

Record Creation Time: 20240120T190751+0000

Record Last Update: 20240130T202109+0000

Ratings and Alerts

No rating or validation information has been found for $Tfam^{tm1.1Lrsn}/Tfam^{tm1.1Lrsn}$.

No alerts have been found for $Tfam^{tm1.1Lrsn}/Tfam^{tm1.1Lrsn}$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#).

K??hl I, et al. (2017) Transcriptomic and proteomic landscape of mitochondrial dysfunction reveals secondary coenzyme Q deficiency in mammals. eLife, 6.