

Resource Summary Report

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

[Egr4^{tm1Jmi}/Egr4^{tm1Jmi}](#)

RRID:MGI:2658746

Type: Organism

Proper Citation

RRID:MGI:2658746

Organism Information

URL:

Proper Citation: RRID:MGI:2658746

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

Species: Mus musculus

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

Phenotype: abnormal sperm flagellum morphology, Leydig cell hyperplasia, abnormal seminiferous tubule epithelium morphology, detached sperm flagellum, oligozoospermia, coiled sperm flagellum, small testis, kinked sperm flagellum, homeostasis/metabolism phenotype, male infertility, decreased male germ cell number, abnormal male germ cell apoptosis, abnormal spermatogenesis, teratozoospermia, abnormal sperm head morphology, decreased testis weight, abnormal male meiosis, abnormal seminiferous tubule morphology

Affected Gene: Egr4

Genomic Alteration: tm1Jmi

Catalog Number: 2658746

Background: involves: C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:10529423](#)

Organism Name: Egr4^{tm1Jmi}/Egr4^{tm1Jmi}

Record Creation Time: 20240120T190737+0000

Record Last Update: 20240130T202101+0000

Ratings and Alerts

No rating or validation information has been found for Egr4^{tm1Jmi}/Egr4^{tm1Jmi}.

No alerts have been found for Egr4^{tm1Jmi}/Egr4^{tm1Jmi}.

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](#).

Dutta Banik D, et al. (2023) EGR4 is critical for cell-fate determination and phenotypic maintenance of geniculate ganglion neurons underlying sweet and umami taste. Proceedings of the National Academy of Sciences of the United States of America, 120(22), e2217595120.