

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

[Atf4^{tm1Tow}](#)/[Atf4^{tm1Tow}](#)

RRID:MGI:3777112

Type: Organism

Proper Citation

RRID:MGI:3777112

Organism Information

URL:

Proper Citation: RRID:MGI:3777112

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

Species: Mus musculus

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

Phenotype: abnormal bone mineralization, abnormal pancreatic acinar cell morphology, abnormal osteoblast differentiation, abnormal pancreas morphology, abnormal pancreatic acinus morphology, abnormal pancreatic acinar cell zymogen granule morphology, large fontanelles, exocrine pancreas hypoplasia, decreased bone mineral density, abnormal bone trabecula morphology, abnormal parietal bone morphology, abnormal bone ossification, abnormal neurocranium morphology, abnormal frontal bone morphology, abnormal clavicle morphology

Affected Gene: Atf4

Genomic Alteration: tm1Tow

Catalog Number: 3777112

Background: either: (involves: 129P2/OlaHsd * NIH Black Swiss) or (involves: 129S1/Sv * 129X1/SvJ * NIH Black Swiss)

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15109498](#), [PMID:17727724](#)

Organism Name: Atf4^{tm1Tow}/Atf4^{tm1Tow}

Record Creation Time: 20240120T190443+0000

Record Last Update: 20240130T201922+0000

Ratings and Alerts

No rating or validation information has been found for Atf4^{tm1Tow}/Atf4^{tm1Tow}.

No alerts have been found for Atf4^{tm1Tow}/Atf4^{tm1Tow}.

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.