

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

[Steap4^{tm1Dgen}/Steap4^{tm1Dgen}](#)

RRID:MGI:5438098

Type: Organism

Proper Citation

RRID:MGI:5438098

Organism Information

URL:

Proper Citation: RRID:MGI:5438098

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

Species: Mus musculus

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

Phenotype: decreased adipocyte glucose uptake, abnormal metabolism, increased liver triglyceride level, decreased circulating insulin level, abnormal white adipose tissue morphology, increased macrophage cell number, decreased muscle cell glucose uptake, abnormal gluconeogenesis, hypoactivity, impaired glucose tolerance, increased circulating glucose level, increased circulating leptin level, hepatic steatosis, increased liver weight, oxidative stress, insulin resistance, abnormal circulating cholesterol level, increased subcutaneous adipose tissue amount, increased circulating triglyceride level

Affected Gene: Steap4

Genomic Alteration: tm1Dgen

Catalog Number: 5438098

Background: involves: 129P2/OlaHsd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:17482547](#)

Organism Name: Steap4^{tm1Dgen}/Steap4^{tm1Dgen}

Record Creation Time: 20240120T190137+0000

Record Last Update: 20240130T201735+0000

Ratings and Alerts

No rating or validation information has been found for Steap4^{tm1Dgen}/Steap4^{tm1Dgen}.

No alerts have been found for Steap4^{tm1Dgen}/Steap4^{tm1Dgen}.

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.