

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

[Gt\(ROSA\)26Sor^{tm1\(DTA\)}Vlcg/Gt\(ROSA\)26Sor^{tm1\(DTA\)}Vlcg; Tg\(BGLAP-cre/ERT2\)#Stko](#)

RRID:MGI:5514395

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:5514395

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

Species: Mus musculus

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

Phenotype: insulin resistance, decreased insulin secretion, decreased gonadal fat pad weight, decreased circulating testosterone level, decreased circulating insulin level, decreased bone volume, decreased bone mass, decreased adiponectin level, abnormal lipid level, abnormal lipid homeostasis, abnormal hormone level, abnormal circulating osteocalcin level, decreased bone ossification, impaired glucose tolerance, increased apoptosis, hypoactivity, hyperglycemia, decreased white fat cell number, decreased pancreatic beta cell proliferation, decreased pancreatic beta cell mass, increased carbon dioxide production, increased circulating glucose level, increased energy expenditure, increased food intake, increased bone resorption, decreased osteoblast cell number, decreased lean body mass, abnormal glucose homeostasis, increased oxygen consumption

Affected Gene: Gt(ROSA)26Sor

Genomic Alteration: Tg(BGLAP-cre/ERT2)#Stko, tm1(DTA)Vlcg

Catalog Number: 5514395

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

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:21557308](#)

Organism Name: Gt(ROSA)26Sor^{tm1(DTA)Vlcg}/Gt(ROSA)26Sor^{tm1(DTA)Vlcg}; Tg(BGLAP-cre/ERT2)#Stko

Record Creation Time: 20240120T190108+0000

Record Last Update: 20240130T201718+0000

Ratings and Alerts

No rating or validation information has been found for Gt(ROSA)26Sor^{tm1(DTA)Vlcg}/Gt(ROSA)26Sor^{tm1(DTA)Vlcg}; Tg(BGLAP-cre/ERT2)#Stko.

No alerts have been found for Gt(ROSA)26Sor^{tm1(DTA)Vlcg}/Gt(ROSA)26Sor^{tm1(DTA)Vlcg}; Tg(BGLAP-cre/ERT2)#Stko.

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 [PRECISE-TBI](#) .

Berger JM, et al. (2019) Mediation of the Acute Stress Response by the Skeleton. Cell metabolism, 30(5), 890.