

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 25, 2026

[Gt\(ROSA\)26Sor<sup>tm1\(DTA\)Vlcg</sup>/Gt\(ROSA\)26Sor<sup>tm1\(DTA\)Vlcg</sup>; Tg\(BGLAP-cre/ERT2\)#Stko](#)

RRID:MGI:5514395

Type: Organism

## Proper Citation

RRID:MGI:5514395

## 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<sup>tm1(DTA)Vlcg</sup>/Gt(ROSA)26Sor<sup>tm1(DTA)Vlcg</sup>; Tg(BGLAP-cre/ERT2)#Stko

**Record Creation Time:** 20240120T190108+0000

**Record Last Update:** 20240130T201718+0000

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## Ratings and Alerts

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

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

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## 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.