

Resource Summary Report

Generated by [NIF](#) on Aug 11, 2026

B6.Cg-Sag^{tm1Jnc} Tg(Rho-Sag*)Tr4Seva/Mmmh

RRID:MMRRC_036460-MU

Type: Organism

Proper Citation

RRID:MMRRC_036460-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36460

Proper Citation: RRID:MMRRC_036460-MU

Description: Mus musculus with name B6.Cg-Sag^{tm1Jnc} Tg(Rho-Sag*)Tr4Seva/Mmmh from MMRRC.

Species: Mus musculus

Notes: Research areas: Sensorineural; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal rod electrophysiology [MP:0004021] abnormal cone electrophysiology [MP:0004022] abnormal retinal rod cell outer segment morphology [MP:0008456]

Affected Gene: |Sag|Rho|Sag|

Catalog Number: 036460-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:21075174](#), [PMID:21818392](#)

Alternate IDs: MMRRC_36460-MU, MMRRC_036460, MMRRC_3646

Organism Name: B6.Cg-Sag^{tm1Jnc} Tg(Rho-Sag*)Tr4Seva/Mmmh

Record Creation Time: 20230308T055146+0000

Record Last Update: 20260808T124111+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Sag^{tm1Jnc} Tg(Rho-Sag*)Tr4Seva/Mmmh.

No alerts have been found for B6.Cg-Sag^{tm1Jnc} Tg(Rho-Sag*)Tr4Seva/Mmmh.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Lin SJ, et al. (2012) Reduced osteoblast activity in the mice lacking TR4 nuclear receptor leads to osteoporosis. Reproductive biology and endocrinology : RB&E, 10, 43.

Collins LL, et al. (2011) The roles of testicular nuclear receptor 4 (TR4) in male fertility-priapism and sexual behavior defects in TR4 knockout mice. Reproductive biology and endocrinology : RB&E, 9, 138.

Kim E, et al. (2011) Metformin inhibits nuclear receptor TR4-mediated hepatic stearyl-CoA desaturase 1 gene expression with altered insulin sensitivity. Diabetes, 60(5), 1493.