

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

[Gt\(ROSA\)26Sor^{tm14.1Sia}/Gt\(ROSA\)26Sor^{tm14.1Sia}](#)

RRID:MGI:5308647

Type: Organism

Proper Citation

RRID:MGI:5308647

Organism Information

URL:

Proper Citation: RRID:MGI:5308647

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

Species: Mus musculus

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

Phenotype: no abnormal phenotype detected

Affected Gene: Gt(ROSA)26Sor

Genomic Alteration: tm14.1Sia

Catalog Number: 5308647

Background: involves: C57BL/6 * C57BL/6NCrlj * CBA/JNCrlj * FVB/N

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:21445964](#)

Organism Name: Gt(ROSA)26Sor^{tm14.1Sia}/Gt(ROSA)26Sor^{tm14.1Sia}

Record Creation Time: 20240120T190156+0000

Record Last Update: 20240130T201802+0000

Ratings and Alerts

No rating or validation information has been found for Gt(ROSA)26Sor^{tm14.1Sia}/Gt(ROSA)26Sor^{tm14.1Sia}.

No alerts have been found for Gt(ROSA)26Sor^{tm14.1Sia}/Gt(ROSA)26Sor^{tm14.1Sia}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Fang X, et al. (2023) Increased intrinsic and synaptic excitability of hypothalamic POMC neurons underlies chronic stress-induced behavioral deficits. *Molecular psychiatry*, 28(3), 1365.

Dinsmore CJ, et al. (2022) Differential regulation of cranial and cardiac neural crest by serum response factor and its cofactors. *eLife*, 11.

Chatzeli L, et al. (2021) Comparing development and regeneration in the submandibular gland highlights distinct mechanisms. *Journal of anatomy*, 238(6), 1371.

Burdakov D, et al. (2020) Ultra-sparse Connectivity within the Lateral Hypothalamus. *Current biology : CB*, 30(20), 4063.

Nasirova N, et al. (2020) Mapping Cell Types and Efferent Pathways in the Ascending Relaxin-3 System of the Nucleus Incertus. *eNeuro*, 7(6).

Jung H, et al. (2019) Noninvasive optical activation of Flp recombinase for genetic manipulation in deep mouse brain regions. *Nature communications*, 10(1), 314.

Lin S, et al. (2018) Distributed hepatocytes expressing telomerase repopulate the liver in homeostasis and injury. *Nature*, 556(7700), 244.

Parfejevs V, et al. (2018) Injury-activated glial cells promote wound healing of the adult skin in mice. *Nature communications*, 9(1), 236.

Larhammar M, et al. (2017) Dual leucine zipper kinase-dependent PERK activation contributes to neuronal degeneration following insult. *eLife*, 6.

Wang J, et al. (2017) Distinct and common expression of receptors for inflammatory mediators in vagal nodose versus jugular capsaicin-sensitive/TRPV1-positive neurons detected by low input RNA sequencing. *PLoS one*, 12(10), e0185985.

Brill MS, et al. (2016) Branch-Specific Microtubule Destabilization Mediates Axon Branch Loss during Neuromuscular Synapse Elimination. *Neuron*, 92(4), 845.