

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

B6.129S6-S1pr3^{tm1Rlp}/Mmnc

RRID:MMRRC_012038-UNC

Type: Organism

Proper Citation

RRID:MMRRC_012038-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=12038

Proper Citation: RRID:MMRRC_012038-UNC

Description: Mus musculus with name B6.129S6-S1pr3^{tm1Rlp}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Cell Biology, Developmental Biology, Hematology, Immunology and Inflammation, Reproduction, Research Tools; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal angiogenesis [MP:0000260]| skin edema [MP:0001786]| hemorrhage [MP:0001914]| reduced fertility [MP:0001921]| abnormal limb morphology [MP:0002109]| abnormal B cell physiology [MP:0002459]| cochlear ganglion degeneration [MP:0002857]| abnormal miscarriage rate [MP:0004244]| head tilt [MP:0005191]| abnormal vascular endothelial cell morphology [MP:0006055]| embryonic lethality during organogenesis [MP:0011098]| complete penetrance [MP:0011101]| prenatal lethality [MP:0011109]

Affected Gene: S1pr3

Catalog Number: 012038-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:15138255](#)

Alternate IDs: MMRRC_12038-UNC, MMRRC_012038, MMRRC_1238

Organism Name: B6.129S6-*S1pr3^{tm1Rlp}*/Mmnc

Record Creation Time: 20230308T054914+0000

Record Last Update: 20260801T123602+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S6-*S1pr3^{tm1Rlp}*/Mmnc.

No alerts have been found for B6.129S6-*S1pr3^{tm1Rlp}*/Mmnc.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Hill RZ, et al. (2018) S1PR3 Mediates Itch and Pain via Distinct TRP Channel-Dependent Pathways. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(36), 7833.

Hill RZ, et al. (2018) The signaling lipid sphingosine 1-phosphate regulates mechanical pain. eLife, 7.