

Resource Summary Report

Generated by [RRID](#) on Aug 7, 2026

B6.Cg-Tia1^{tm1Andp} Smn1^{tm5(Smn1/SMN2)Mrph}/Mmjax

RRID:MMRRC_065937-JAX

Type: Organism

Proper Citation

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Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=65937

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Description: Mus musculus with name B6.Cg-Tia1^{tm1Andp} Smn1^{tm5(Smn1/SMN2)Mrph}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Cell Biology, Developmental Biology, Immunology and Inflammation, Internal/Organ, Models for Human Disease, Neurobiology, Reproduction, Research Tools; Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased bone mineral density [MP:0000063]| abnormal neuromuscular synapse morphology [MP:0001053]| epidermal necrosis [MP:0001220]| decreased body size [MP:0001265]| abnormal blood vessel morphology [MP:0001614]| hyperresponsive to tactile stimuli [MP:0002738]| abnormal endplate potential [MP:0002914]| abnormal synaptic transmission [MP:0003635]| enhanced coordination [MP:0003858]| decreased thermal nociceptive threshold [MP:0003998]| abnormal miniature endplate potential [MP:0004835]| decreased heart rate [MP:0005333]| hyperalgesia [MP:0005407]| decreased skeletal muscle fiber size [MP:0009400]| decreased bone mineral content [MP:0010124]| embryonic lethality [MP:0011092]| complete penetrance [MP:0013178]| increased neutrophil cell number [MP:0000219]| postnatal growth retardation [MP:0001732]| abnormal macrophage physiology [MP:0002451]| arthritis [MP:0002993]| increased susceptibility to endotoxin shock [MP:0008735]| postnatal lethality [MP:0011086]

Affected Gene: Tia1|SMN2|Smn1|

Catalog Number: 065937-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:28775379](#), [PMID:10921895](#), [PMID:22802075](#)

Alternate IDs: MMRRC_65937-JAX, MMRRC_065937, MMRRC_65937

Organism Name: B6.Cg-*Tia1*^{tm1Andp} *Smn1*^{tm5(Smn1/SMN2)Mrph}/Mmjax

Record Creation Time: 20230308T055504+0000

Record Last Update: 20260801T125339+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-*Tia1*^{tm1Andp} *Smn1*^{tm5(Smn1/SMN2)Mrph}/Mmjax.

No alerts have been found for B6.Cg-*Tia1*^{tm1Andp} *Smn1*^{tm5(Smn1/SMN2)Mrph}/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We have not found any literature mentions for this resource.