

FVB.Cg-Grm7^{Tg(SMN2)⁸⁹Ahmb} Smn1^{tm1Msd} Tg(SMN2*delta7)4299Ahmb/J

Stock No: **005025** | FVB.SMNΔ7;SMN2;Smn⁻, Moderate Type II SMA, Delta 7 mouse incipient congenic

 [Congenic](#), [Targeted Mutation](#), [Transgenic](#)

Live mice available in varying quantities. Ask Customer Service for details.

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Mice that are homozygous for the *Smn* targeted mutant *lacZ* reporter allele and homozygous for the two transgenic alleles exhibit symptoms and neuropathology similar to patients afflicted with proximal spinal muscular atrophy (SMA). Triple homozygous mice on the FVB/N genetic background are noticeably smaller than normal littermates at birth and show progressive muscle weakness.

Our preclinical efficacy testing services offer scientific expertise and an array of target-based and phenotype-based outcome measures, both in vivo and at endpoint, for flexible study designs and assay development in mouse models of Spinal Muscular Atrophy. [See our full service platform.](#)

Donating Investigator

Arthur H.M. Burghes, The Ohio State University

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GENETIC OVERVIEW

Genetic Background

Generation

[N6+F39](#)
(2019-12-19 00:00:00)

[Tg\(SMN2*delta7\)4299Ahmb](#)

Alele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

[Grm7^{Tg\(SMN2\)⁸⁹Ahmb}](#)

Alele Type

Transgenic (Hypomorph, Inserted expressed sequence, Humanized sequence)

[Smn1^{tm1Msd}](#)

Alele Type

Targeted (Reporter, Null/Knockout)

Gene Symbol

Smn1

Gene Name

survival motor neuron 1

V I E W G E N E T I C S

RESEARCH APPLICATIONS

Neurobiology Research

Research Tools

Developmental Biology Research

V I E W A L L R E S E A R C H A P P L I C A T I O N S

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